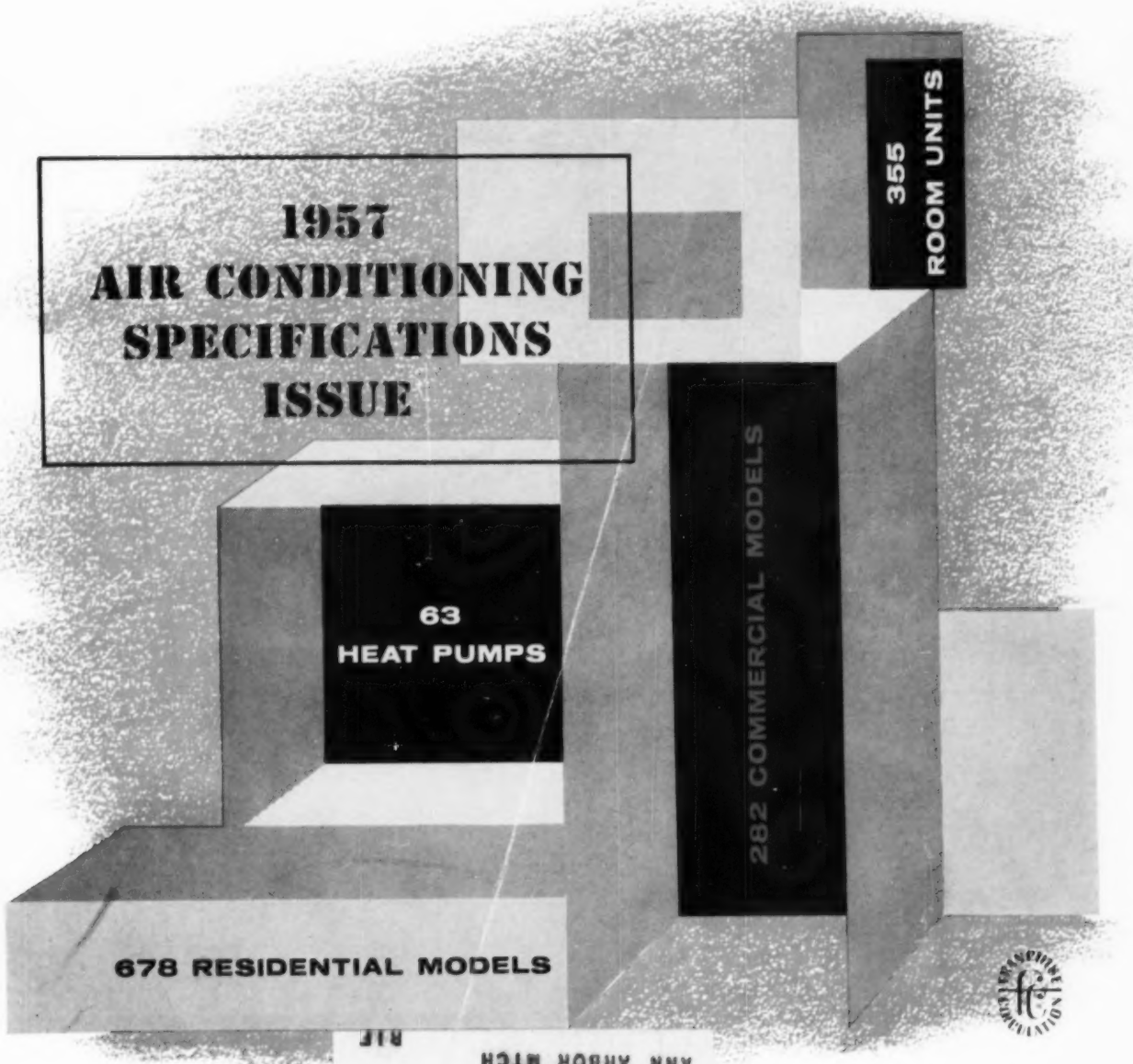
Commercial Refrigeration & Air Conditioning

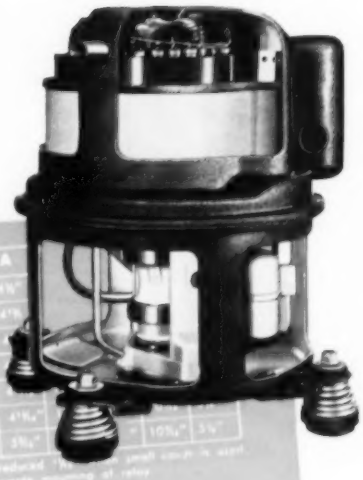
March 1957

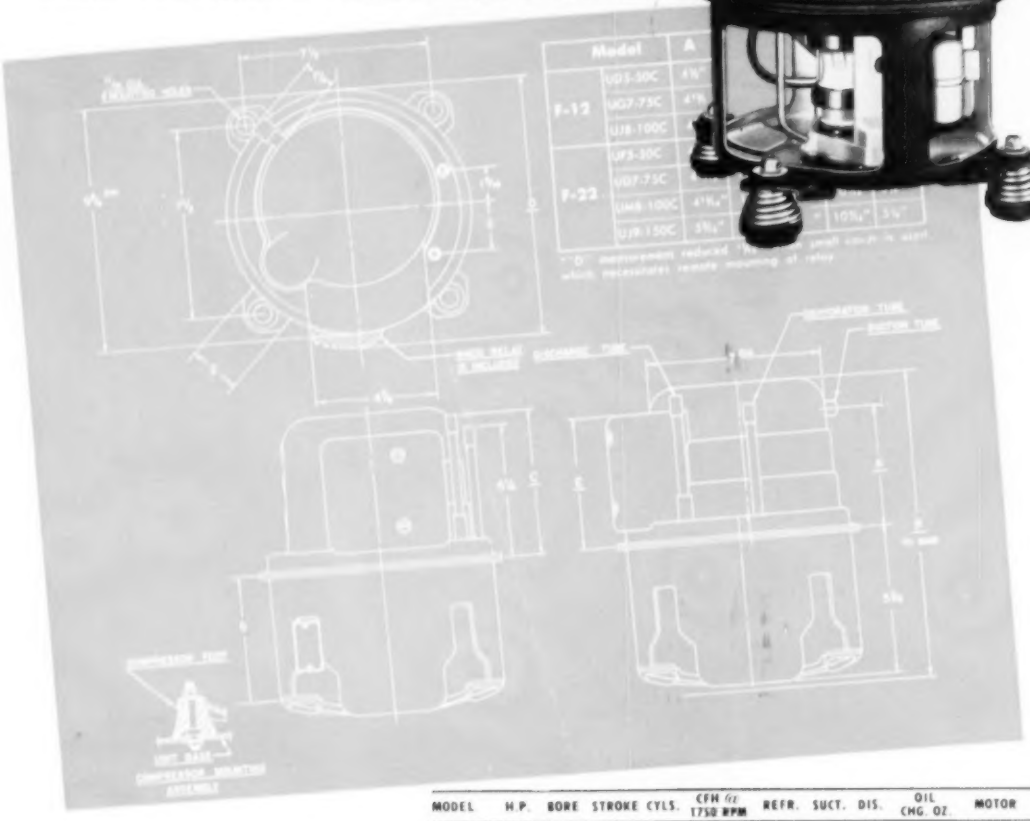


MERCHANDISING, CONTRACTING AND MAINTENANCE OF COMMERCIAL, RESIDENTIAL AND INDUSTRIAL AIR CONDITIONING AND REFRIGERATION

Copelaweld designed to put sales appeal into air conditioners

Count on Copelaweld's high-power-factor motor to deliver maximum capacity with vibration-free, silent smoothness . . . even under toughest operating conditions. Quality-conscious engineering gave Copelaweld rugged staying power plus real operating economy delivering high-capacity cooling with low power consumption. That's the kind of sales-building performance efficiency that will make your air conditioner a hot item in the competitive cooling market. Freon-12 and Freon-22 models from ½ to 1½ H.P.; economical "Dual Copelaweld" systems for larger installations.





SPECIFICATIONS

MODEL	H.P.	BORE	STROKE	CYLS.	CFH @ 1750 RPM	REFR.	SUCT.	DIS.	OIL CHG. OZ.	MOTOR	WT.
UD5-50C	½	1 7/32"	15/16"	2	132.8	F-12	3/8"	3/8"	32	115/1/60	58#
UG7-75C	¾	1 7/16"	15/16"	2	184.9	F-12	1/2"	3/8"	32	115/1/60 208/1/60 230/1/60	64#
UJ8-100C	1	1 21/32"	15/16"	2	245	F-12	1/2"	3/8"	32	208/1/60 230/1/60	65#
UF5-50C	½	1 1/32"	15/16"	2	95.2	F-22	3/8"	3/8"	32	115/1/60	58#
UD7-75C	¾	1 7/32"	15/16"	2	132.8	F-22	1/2"	3/8"	32	115/1/60 230/1/60	64#
UM8-100C	1	1 3/8"	15/16"	2	169.9	F-22	1/2"	3/8"	32	208/1/60 230/1/60	65#
UJ9-150C	1½	1 21/32"	15/16"	2	245	F-22	5/8"	3/8"	32	208/1/60 230/1/60	71#

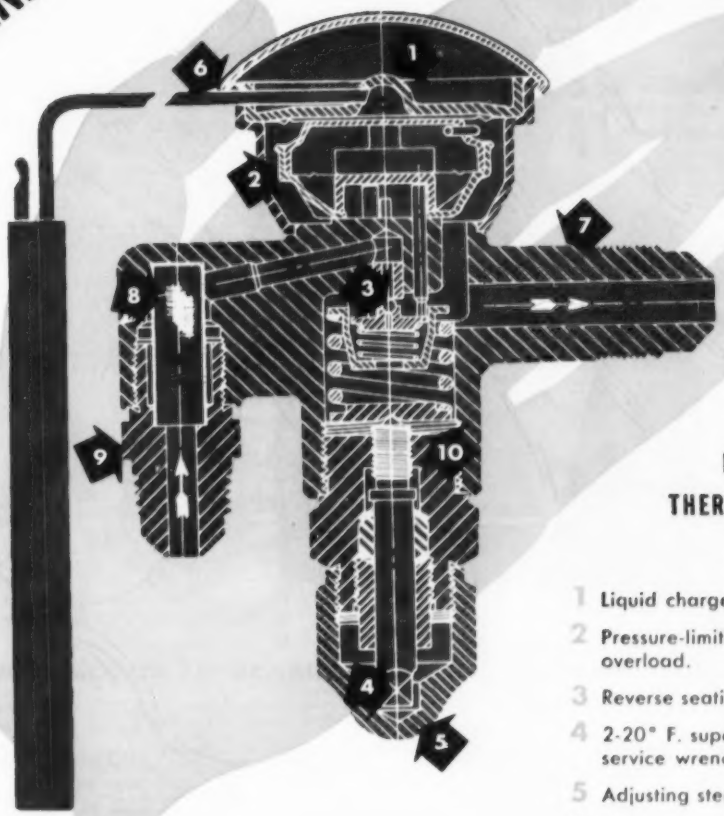
SINCE 1918

Copeland REFRIGERATION CORPORATION, Sidney, Ohio

Circle No. 1 on Reader Service Card

count to ten...

AND YOU'LL INSTALL AN ALCO 402 THERMO VALVE



Choose from these convenient models:
Freon-12—¼, ½ and 1 ton
Freon-22—.4, .8 and 1.6 tons
Methyl-Chloride—½, 1 and 2 tons

IF THERE'S ROOM FOR YOUR HAND, THERE'S ROOM FOR AN ALCO 402

1. Liquid charge—valve mounts at *any* angle.
2. Pressure-limiting element prevents motor overload.
3. Reverse seating gives smooth feed at all loads.
4. 2-20° F. superheat adjustment fits standard service wrench.
5. Adjusting stem seal cap.
6. Capillary at side allows more head room in mounting.
7. Rugged forged brass body takes long, hard use.
8. *Removable* strainer can be cleaned in 2 minutes.
9. Standard wrench flats on inlet and outlet.
10. Compact construction—minimum of internal parts.

SEE YOUR ALCO WHOLESALER

ALCO VALVE CO.

843 KINGSLAND AVE. • ST. LOUIS 5, MO.

7307

Circle No. 3 on Reader Service Card

CHECK THIS LIST FOR YOUR NEAREST AUTHORIZED BRUNNER SUPPLY HEADQUARTERS

ALABAMA

BIRMINGHAM ..... Budlock Refrigeration Supply Co.
MOBILE ..... Refrigeration Supply Co.
MONTGOMERY ..... Nolin-McInnis Company

ARKANSAS

FORT SMITH ..... Central Supply Company
LITTLE ROCK ..... Refrigeration & Electrical Supply Co.

ARIZONA

PHOENIX ..... Authorized Supply Company
PHOENIX ..... State Equipment & Supply Co., Inc.

CALIFORNIA

BAKERSFIELD ..... Refrigeration Supplies Distributor
EAST LOS ANGELES ..... Arrow-Risco, Inc.
EL CENTRO ..... Allied Refrigeration Suppliers, Inc.
FRESNO ..... California Refrigerator Company
GLENDALE ..... Arrow-Risco, Inc.
LONG BEACH ..... L. B. Marsh Allied Refrigeration Co.
LOS ANGELES ..... Arrow-Risco, Inc.
LOS ANGELES ..... Brea Supply Company
LOS ANGELES ..... Thermal Products, Inc.
OAKLAND ..... California Refrigerator Company
SACRAMENTO ..... Acme Supply & Equipment Company
SAN BERNARDINO ..... L. B. Marsh Allied Refrig. Co.
SAN DIEGO ..... Allied Refrigeration Suppliers, Inc.
SAN FRANCISCO ..... California Refrigerator Company
SAN FRANCISCO ..... Refrig. & Power Specialties Co.
SAN GABRIEL ..... Arrow-Risco, Inc.
STOCKTON ..... Refrigerating & Power Specialties Co.

COLORADO

DENVER ..... Thermo Supply Company

CONNECTICUT

HARTFORD ..... N. W. Day Supply Company
HARTFORD ..... Joseph Simons Company
NEW HAVEN ..... Resco, Inc.

DISTRICT OF COLUMBIA

WASHINGTON ..... Refrigeration Supply Co., Inc.

FLORIDA

JACKSONVILLE ..... Bowen Refrigeration Supplies, Inc.
JACKSONVILLE ..... Refrigeration Supply Company
MIAMI ..... Bowen Refrigeration Supply, Inc.
ORLANDO ..... R & R Supply Company, Inc.
PENSACOLA ..... Cooling & Heating Supplies
TAMPA ..... Hajoca Corporation
TAMPA ..... Leo S. Bosarge Co. of Tampa, Inc.

GEORGIA

ATLANTA ..... Leo S. Bosarge Company, Inc.
ATLANTA ..... Bowen Refrigeration Supplies, Inc.
COLUMBUS ..... Hajoca Corporation
MACON ..... Graves Refrigeration, Inc.
SAVANNAH ..... Savannah Refrigeration Supply Co.

IDAHO

BOISE ..... Commercial Distributing Company

ILLINOIS

CHICAGO ..... Service Parts Company
DECATUR ..... Potter Supply Company
EAST ST. LOUIS ..... Illinois Electric Works, Inc.
PEORIA ..... Polar Supply Corporation
ROCKFORD ..... Park Distributors, Inc.
SPRINGFIELD ..... Spangler, R. H. Company, Inc.

INDIANA

EVANSVILLE ..... Budlock Refrigeration Supply Co.
EVANSVILLE ..... Ohio Valley Hardware Company, Inc.
INDIANAPOLIS ..... Duncan Supply Company
MISHAWAKA ..... Valley Equipment Company
RICHMOND ..... Gennett & Sons, Inc.
TERRE HAUTE ..... Budlock Refrigeration Supply Co.

IOWA

CEDAR RAPIDS ..... Thermal Company, Inc.
DES MOINES ..... Thermal Company, Inc.
DAVENPORT ..... White Refrigeration Supply, Inc.

KANSAS

TOPEKA ..... Refrigeration Equipment Company
WICHITA ..... Refrigeration Equipment Company

KENTUCKY

LEXINGTON ..... Brock-McVey Company
LOUISVILLE ..... Mill Industrial Supply, Inc.

LOUISIANA

ALEXANDRIA ..... The American Supply Company, Inc.
BATON ROUGE ..... Acme Refrigeration
LAFAYETTE ..... Cooling & Heating Wholesalers
LAKE CHARLES ..... Temtrol Supply, Inc.
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SHREVEPORT ..... Standard Brass & Manufacturing Co.

MAINE

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PORTLAND ..... Joseph Simons Company

MARYLAND

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186 Brunner authorized supply headquarters . . . coast-to-coast

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Every Brunner Wholesaler listed below maintains an authorized supply headquarters for Brunner units and parts. No matter where you are, there's a nearby Brunner Wholesaler who can furnish Brunner Refrigeration and Air Conditioning Condensing units or parts on short notice.

Here's the fastest, most complete distribution service in the industry. Delivery comes from your wholesaler. No long wait for units or parts to come from the factory.

All warranty details are handled by your wholesaler. He's equipped to give you or your customer prompt warranty service, without red tape.

BRUNNERIZE for dependable refrigeration and air conditioning distribution service.

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The Brunner Company, Gainesville, Georgia
In Canada: Brunner Corp. (Canada) Ltd., Toronto, Ontario

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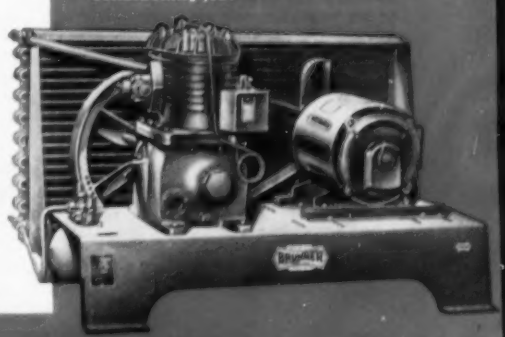
Brunner-Matic semi-hermetic condensing units for every commercial refrigeration application . . . from ¼ H.P. through 3 H.P.

A complete line of Open-Type Condensing Units . . . full range of types and sizes . . . from ¼ H.P. through 100 H.P. Brunner makes it easy to choose the right unit for every refrigeration and air conditioning job.



Commercial Refrigeration & Air Conditioning

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FEATURE SECTION

of this issue is turned over entirely to COMMERCIAL REFRIGERATION & AIR CONDITIONING's annual compilation of specifications for all types of package air conditioning equipment. Data included in this section covers 678 models of residential air conditioning units being marketed this year by 61 manufacturers, 282 models of commercial package conditioners available from 40 producers, 355 models of window and room units being offered by 31 firms, and 63 models of heat pumps being manufactured by 13 companies. Detailed information on this equipment may be found on the following pages:

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published monthly by

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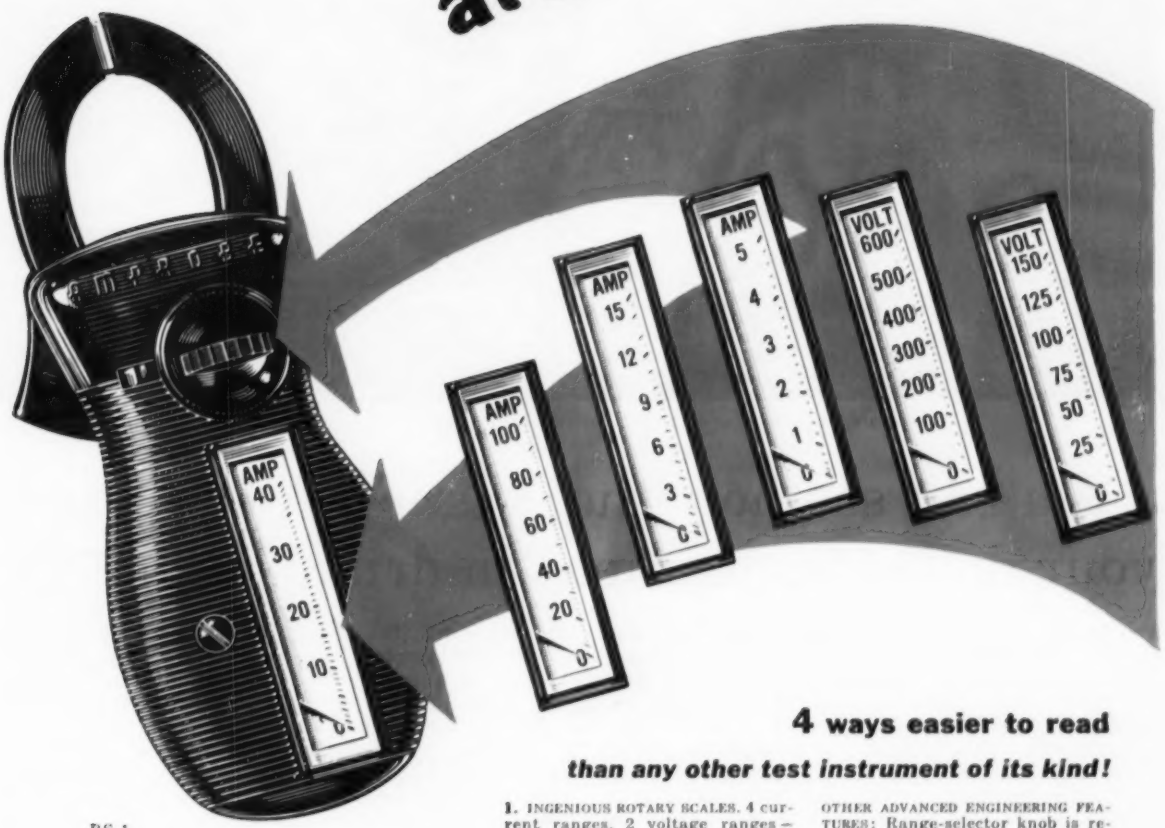
see only one scale at a time!



RS-1

$39.85

There's one for every job and every budget.

The new RS-1 is one of the 14 AMPROBE models priced from $19.85 to $67.50.

• ®

4 ways easier to read

than any other test instrument of its kind!

1. INGENIOUS ROTARY SCALES. 4 current ranges, 2 voltage ranges — each on a scale of its own!

2. ONE HAND OPERATION! Range selector knob is next to your thumb.

3. NEW MAGNIFIED DIAL . . . LONGER SCALE LENGTH. Greater visibility, greater accuracy, than ever before.

4. POINTER-LOCK "FREEZES" POINTER AT READING. Use the RS-1 any place your hand can reach. Needle can be locked in place so that you may read it away from conductor.

OTHER ADVANCED ENGINEERING FEATURES: Range-selector knob is recessed so that it can't be moved accidentally. Simple bayonet leads lock in at bottom for quick connecting. Impact-proof case with non-slip ribbing. Advance printed circuit construction. Shielded core magnetic movement. Leather carrying case can be worn on your belt.

Amprobe, a division of Pyramid Instrument Corp., Lynbrook, New York, manufacturers of famous REMCON simplified low-voltage Hi-Fashion switching devices.

don't guess at it; AMPROBE® IT!

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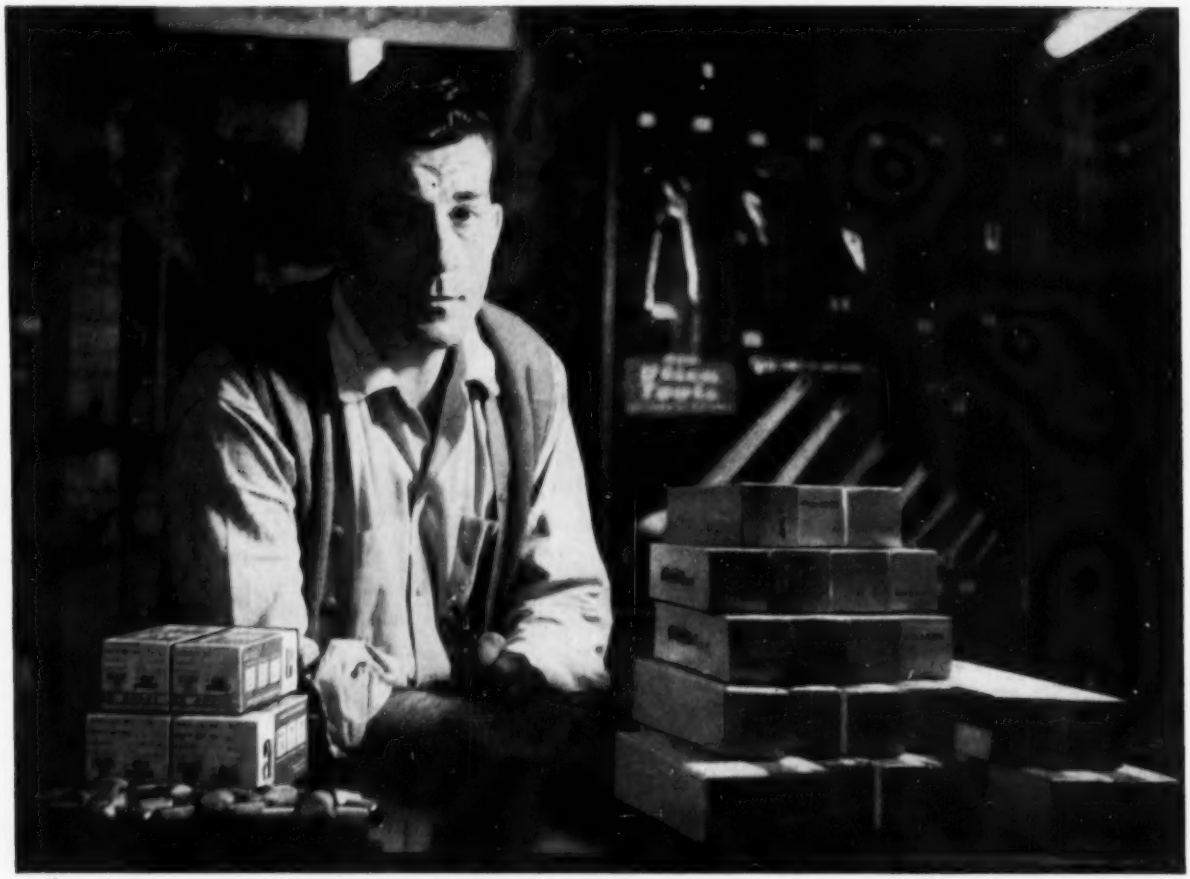


Compare the Ansul line on the left with a typical competitive line at the right.

You can see how the Ansul line will cut your dollar investment in driers up to 75%

You start to save money *immediately* when you standardize on the Ansul line of T-Flo Driers and fittings. Service engineers and contractors who have stocked the Ansul line have been able to cut their dollar investment in drier truck stock an average of 50% to 75%.

Savings like this are possible because Ansul's 4 T-Flo Drier cartridges and 8 T-Connectors are all *interchangeable*. These twelve parts give you *32 possible installation combinations*. Why tie up two or three times as much money in 32 ordinary driers? The Ansul line not only provides a complete stock at a fraction of the cost, but assures a better, faster drying job. For the largest installations Ansul T-Flo Driers can be easily manifolded or used on a by-pass to provide unlimited drying capacity. No need to stock large, expensive driers that you seldom use.

Changing a T-Flo Drier cartridge is the easiest thing in the world. Breaking leak-proof flared or sweated joints is unnecessary. Just unscrew the old drier and replace it with a new one. Hand tightening will give you a leak-proof seal. And you can install the T-Flo Drier in any position, up, down or sideways.

Ask your wholesaler about the new Dry-Eye fitting, the moisture indicator which means substantial savings in both time and money to service engineers and equipment owners. The window in the dry-eye changes color to let you see if the system is wet or dry. *Blue* means the system is dry, *pink* means excessive moisture is present.

Ansul is a national distributor for DuPont "Freon"—the time tested refrigerant. ANSUL CHEMICAL COMPANY, Marinette, Wisconsin.

ANSUL

Circle No. 8 on Reader Service Card

Another Imperial first!

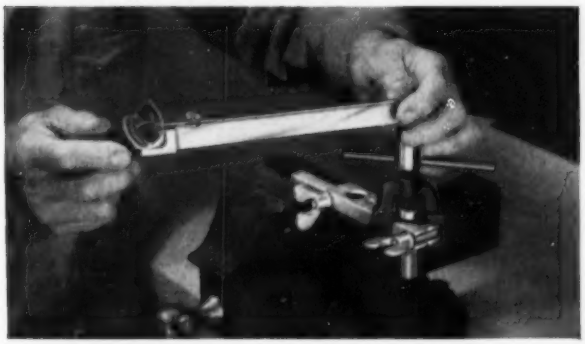
New hard chrome finished cones

now standard on all Imperial flaring tools!

NOW

make SMOOTHER flares up to 55% easier

More evidence of Imperial tubing tool design leadership! At no increase in price — Imperial gives you all the dollar-saving, time-saving, tool-saving advantages of industrial hard chrome on all flaring cones in the complete line of Imperial flaring tools. Here's time-defying, diamond-tough protection that outlasts all other metals. Makes SMOOTHER, FINER flares. Once you see the spectacular difference hard chrome makes you'll never be satisfied with ordinary flaring tools! Replace your old flaring tools NOW!



Forming torque reduced up to 55%

In tests, annealed copper tubing was flared with standard and hard chrome cones. Results proved Imperial superiority . . . 55% less forming torque required in many cases. Easier forming means better workmanship . . . longer tool life . . . more profits.

Add this new tool efficiency to your shop. Order Imperial flaring tools from your wholesaler or write for Bulletin No. 3011.

TIGHTER JOINTS— super-smooth flares make better connections every time.

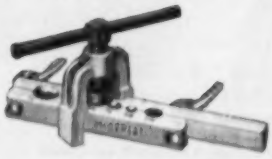
STOPS TEARING OF FLARE FACE—often experienced with non-chrome cones.

HIGHLY RESISTANT TO CORROSION.

SAVES TOOL DOLLARS — adds extra service life to cone.

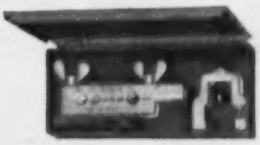
Only Imperial offers you hard chrome cones on all popular flaring tools!

NO. 300-F HI-DUTY... single-lever clamping. Flares 3/16, ¼, 5/16, ⅜, ½ and ⅝" O.D. tubing. Each ..... $6.25.



NO. 195-F FLARING TOOL has quick, slip-on forged steel yoke. Exceptionally easy to use. Flares ¼, 5/16, ⅜, ½ and ⅝" O.D. tubing. Each ..... $5.75.

NO. 500-F BOL-AIR Rolls flares in the air and automatically burnishes 3/16, ¼, 5/16, ⅜, ½ and ⅝" O.D. tubing. Each..$9.95.



NO. 195-FB DOUBLE FLARING TOOL For automotive air conditioning. Double flares assure tighter joints and greater vibration resistance. Flares ¼, 5/16, ⅜, ½, ⅝ and ¾" O.D. tubing. Each $26.25

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Emblem of Quality

FITTINGS • VALVES • DRIERS • FILTERS • CHARGING LINES • TOOLS for Cutting, Flaring, Bending, Pinch-off, Swaging

Circle No. 9 on Reader Service Card

Jenni Genetron says

"These are the Modern refrigerants for the Air Conditioned Age"

genetron®

Tested! Approved! For America's Finest Air Conditioning Equipment!

America moves into the air conditioned age. In houses and apartments . . . in stores and factories . . . in offices and public buildings, man-made weather is the order of the day, calling for air conditioning equipment of highest efficiency and economy.

"Genetron" Super-Dry Refrigerants are tailor made for such systems. They meet or surpass the industry's most exacting specifications for fluorinated hydrocarbon refrigerants. Leading manufacturers have tested them exhaustively . . . have approved and certified "Genetron" Super-Dry Refrigerants for original or replacement charge in America's finest equipment!

Moisture Out! Trouble Out!

The quality specifications on the opposite page tell why "Genetron" Refrigerants are so dependable. Note their exceptionally low moisture content, their very low percentages of non-condensable gases and high boiling impurities. Here are refrigerants that can be counted upon for trouble-free performance every time!

Stable! Safe! Nonflammable! Noncorrosive!

Always specify "Genetron" Super-Dry Refrigerants for your equipment. Learn for yourself why "Genetrons" are the "Modern refrigerants for the air conditioned age."

- **Super-Dry! Guaranteed exceptionally low moisture content**
- **Noncorrosive to standard equipment materials**
- **Nontoxic, nonflammable, stable, safe**
- **Critical and freezing points well outside range of operating uses**
- **Solvent action on oil helps prevent solidification or congealing of lubricant**
- **Miscible with oil; aid in lubrication of equipment**
- **Identical and freely interchangeable with comparable fluorinated hydrocarbon refrigerants made by any other manufacturer meeting the same high standards**

Extremely low moisture content! Exceptionally high purity!

Circle No. 10 on Reader Service Card

For Homes and Offices of the Air Conditioned Age!

Super-Dry Refrigerants

For Stores and Public Buildings of the Air Conditioned Age!

For Factories of the Air Conditioned Age!

genetron 11 ORANGE LABEL

TRICHLOROMONOFLUOROMETHANE

Quality Specifications

Moisture wt. %, max.	0.0010
Chlorides	none
High boiling impurities—vol. %, max.	0.01
Boiling pt. at 760 mm. Hg °F	74.7
Boiling range °F (to 85% pt.), max.	0.5

USES

Trichloromonofluoromethane ("Genetron" 11) finds widespread use as a refrigerant in industrial and commercial air conditioning systems using single or multi-stage centrifugal compressors. It can also be used for either direct or indirect expansion-type systems.

genetron 12 WHITE LABEL

DICHLORODIFLUOROMETHANE

Quality Specifications

Moisture wt. %, max.	0.0015
Chlorides	none
High boiling impurities—vol. %, max.	0.01
Non-condensable gases (gases insoluble in perchloroethylene)—vol. % in vapor phase, max.	1.5
Boiling pt. at 760 mm. Hg °F	−21.6
Boiling range °F (to 85% pt.), max.	0.5

USES

Dichlorodifluoromethane ("Genetron" 12) and Monochlorodifluoromethane ("Genetron" 22) are the most widely used organic fluorine refrigerants. They are used in virtually all types of air conditioning equipment, large and small, household and industrial, direct and indirect expansion systems.

genetron 22 GREEN LABEL

MONOCHLORODIFLUOROMETHANE

Quality Specifications

Moisture wt. %, max.	0.0015
Chlorides	none
High boiling impurities—vol. %, max.	0.01
Non-condensable gases (gases insoluble in perchloroethylene)—vol. % in vapor phase, max.	1.5
Boiling pt. at 760 mm. Hg °F	−41.4
Boiling range °F (to 85% pt.), max.	0.5

Some of the typical units in which "Genetron" 12 and 22 are used: window air conditioners, home or office console units, large store units, large custom-built units for commercial comfort, large home units for addition to present hot air heating systems, and mobile units for transportation equipment.

genetron 113 PURPLE LABEL

TRICHLOROTRIFLUOROETHANE

Quality Specifications

Moisture wt. %, max.	0.0025
Chlorides	none
Boiling pt. at 760 mm. Hg °F	117.6
Boiling range °F (to 85% pt.), max.	1.8

USES

Trichlorotrifluoroethane ("Genetron" 113) is used in 50-ton and larger centrifugal compressors, primarily for large comfort cooling systems, brine cooling systems, and other commercial and industrial air conditioning systems.

For further information, see your wholesaler or call or write

genetron department

GENERAL CHEMICAL DIVISION

ALLIED CHEMICAL & DYE CORPORATION

40 Rector Street, New York 6, N. Y.

Allied Chemical

Wherever you are, "Genetron" Super-Dry Refrigerants are as close to you as your telephone. Featured by Leading Refrigeration Wholesalers from Coast to Coast.

Circle No. 10 on Reader Service Card

Now, offer

Honeywell dependability–

in your 2-compressor store coolers!

New Honeywell two-stage Thermostat, the L6018D

- Fast-acting response
- Versatile switching action with two single pole double throw MICRO SWITCH switches
- Universal application—2 stage heating, 2 stage cooling or 1 stage heating, 1 stage cooling
- Close temperature control
- Sturdy, compact design
- Available with or without case
- Easy to install
- Can be mounted in any position
- Underwriters approved

The L6018D may be mounted on a wall or within a panel. It is available with various mounting brackets. Fixed 2° differential per stage. 2° between stages.

Never before has a low-cost 2-stage thermostat offered so many outstanding features

HERE's the brand-new 2-stage thermostat offering all the advantages you associate with *Honeywell*. Time-tested components, trouble-free performance, sensitive, accurate control.

The L6018D is specially designed for packaged air conditioners having two compressors. It activates one or both compressors as needed, depending on the cooling requirements.

With the Honeywell L6018D you can offer 2-stage thermostatic control at a new low in cost!

And when you deal with Honeywell, you take advantage of the best field service in the industry, backed by years of engineering experience plus the most complete line in the industry.

For complete information on the L6018D, or any of our complete line of heating-cooling controls, call your local Honeywell office. Or write Honeywell, Dept. CR-3-90, Minneapolis 8, Minn.

MINNEAPOLIS
Honeywell

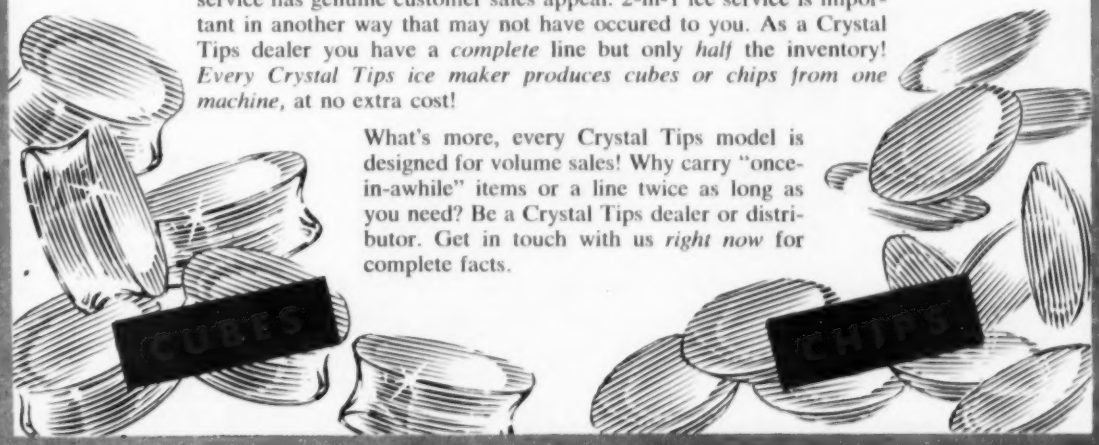
112 offices across the nation

First in Controls

Circle No. 11 on Reader Service Card

Crystal Tips gives you **double** the line of ice makers with **half** the inventory!

Profit-wise ice maker dealers recognize that Crystal Tips 2-in-1 ice service has genuine customer sales appeal. 2-in-1 ice service is important in another way that may not have occured to you. As a Crystal Tips dealer you have a *complete* line but only *half* the inventory! *Every Crystal Tips ice maker produces cubes or chips from one machine,* at no extra cost!



What's more, every Crystal Tips model is designed for volume sales! Why carry "once-in-awhile" items or a line twice as long as you need? Be a Crystal Tips dealer or distributor. Get in touch with us *right now* for complete facts.

NEW MODEL B-500-B — 2-in-1 ice service and large capacity combined in one space saving model. Produces up to ½ ton of cubes or chips per day.

MODEL B-200-B — Convenient under-counter design; 24 hour capacity storage bin. Produces up to 175 lbs. of cubes or chips per day.

MODEL B-300-B — Dependable, trouble-free operation; produces up to 220 lbs. of cubes or chips per day. Full width access doors standard on all models.

ONE OF THE CRYSTAL TIPS ICE MAKERS IS JUST RIGHT FOR YOUR NEEDS

Get the facts about the most modern ice makers made, mail coupon today.

AMERICAN
AUTOMATIC ICE MACHINE CO.
FARIBAULT, MINNESOTA
A Subsidiary of McQuay, Inc.

Crystal Tips — A COMPLETE LINE — Automatic 2-IN-1 ICE MAKERS

In Canada: FRONTIER COMMERCIAL REFRIGERATION, LTD. 1470 The Queensway, Toronto 4, Ontario

IT PAYS TO BE A CRYSTAL TIPS DEALER

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1773 Fourth Street N.W.
Faribault, Minnesota

☐ Please send complete information about Crystal Tips money-making opportunities.

Name _____

Address _____

City _____ State _____

Circle No. 12 on Reader Service Card

letters

If Engineering Data You Need· Master Catalog You Should Read

EDITOR:

We would appreciate any information on a reference & data book, with complete condensed information pertaining to refrigeration and air conditioning engineering. Please send name and address if available.

ROY K. GEIB
Tempco
Hummelstown, Pa.

We have at the printer's right now the 1957/58 edition of our MASTER CATALOG of Air Conditioning & Refrigeration, which carries considerable information regarding the installation and application of commercial refrigeration and air conditioning equipment. You must understand that no volume of this kind is ever "complete" as far as technical data is concerned. Many books have been written on air conditioning and refrigeration, and in one volume you can expect to find only a selection of all available data.

The MASTER CATALOG which we mentioned previously will be available some time next month. The price is $6.50 per copy.

Reader Unable to Get Flexible Ducting

EDITOR:

Would you please furnish me with the name of the manufacturer or distributor of the flexible duct as described in the December issue of COMMERCIAL REFRIGERATION & AIR CONDITIONING, page 73?

I have been interested in the many possibilities of this product but have been unable to get it. I am state licensed and bonded in refrigeration air condition contracting.

ALBERT J. FOSIE
Al Fosie Refrigeration Co.
Mesa, Ariz.

The companies referred to are Wiremold Corp., Railroad St.,

West Hartford, Conn., and Flexible Tubing Corp., Whitfield St., Guilford, Conn.

Who Makes Belts?

EDITOR:

Please send us the names and addresses of all the belt manufacturers you have available.

J. B. THOMAS
J. B. Thomas Company, Inc.
Nashville 3, Tenn.

Principal manufacturers of V-belts include: Allis-Chalmers Mfg. Co., Milwaukee, Wis.; Bard Mfg. Co., Bryan, Ohio; Boston Woven Hose & Rubber Co., Boston, Mass.; Congress Drives Div., Tann Crop., Detroit, Mich.; Dayton Rubber Co., Dayton, Ohio; Durkee-Atwood Co., Minneapolis, Minn.; Gates Rubber Co., Denver, Colo.; Goodyear Tire & Rubber Co., Akron, Ohio; Manhattan Rubber Div., Raybestos-Manhattan, Inc., Passaic, N. J.; Maurey Mfg. Corp., Chicago, Ill.; Quaker Rubber Corp., Div. of H. K. Porter Co., Inc., Philadelphia, Pa.; United States Rubber Co., New York, N.Y.

Asks Advice on Hermetic Unit

EDITOR:

We have a customer who has asked for information on a grinder tool to open a hermetic unit. He is also interested in advice as to how to weld them back together.

We would appreciate it if you would furnish us with names of manufacturers who make this type of equipment.

R. F. POLLEY
Climate Supply Co., Inc.
Dallas, Texas

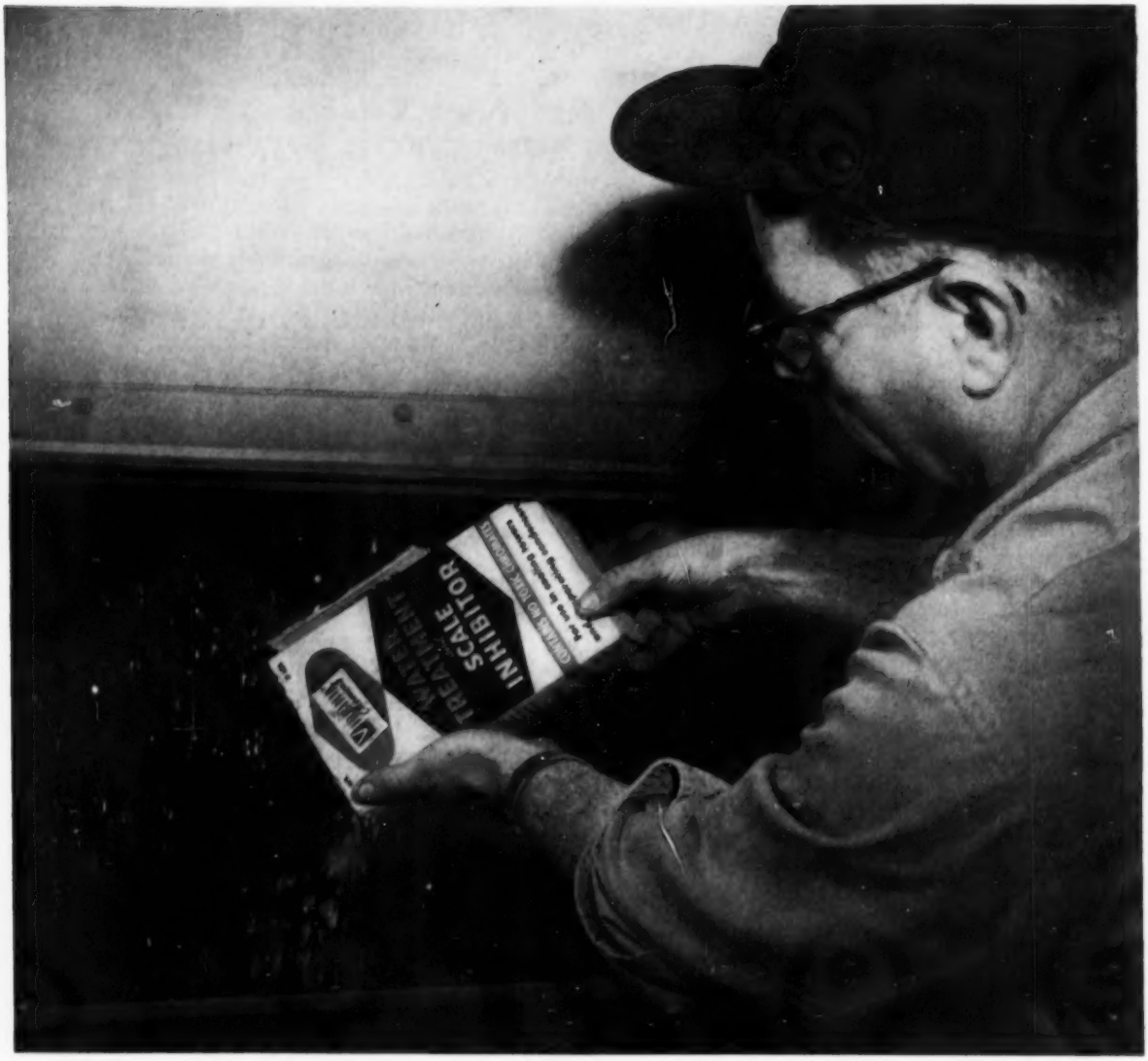
A hermetic compressor opener is manufactured by Frankell Mfg. Co., 1074 Home St., New York 59, N. Y. This company also should be able to give your customer some advice on repairing hermetic units.

Contractor Seeks Maker of Head Pressure Stabilizer

EDITOR:

In your December, 1956 issue, under "New Developments in '56", page 71, by Edward Dowis, a head pressure stabilizer system is describ-

Continued on page 218



Retard scale deposits economically with "VIRGINIA'S" new scale inhibitor

"Virginia's" new Water Treatment and Scale Inhibitor is a nontoxic blend of special polyphosphates having exceptionally slow—and *controlled*—solubility in water. There is no need for installing expensive feeder devices with "Virginia" Water Treatment and Scale Inhibitor—just add the specified amount to the sump pump reservoir. One 6-lb. treatment will sustain protection against scale formation for about *3 months* in a 30-ton unit with average water hardness.

"Virginia" Water Treatment and Scale Inhibitor holds the scale-forming impurities naturally found in water either in solution or in a suspended state, thus inhibiting the formation of solid deposits on the wetted surfaces of cooling coils and pipes. This new "Virginia" Water Treatment product provides you with the *easiest* and most *economical* way to protect your valuable equipment and maintain maximum plant efficiency.

Supplied in 6-lb. cartons and 50-lb. drums. Order "Virginia" Water Treatment and Scale Inhibitor from your wholesaler or write Refrigeration Division, VIRGINIA SMELTING CO., 235 Jefferson St., West Norfolk, Va.

Other new Virginia Water Treatment Chemicals include Scale Remover, Algae-Cides No. 1 and No. 2 and Ice Machine Cleaner.

VIRGINIA® Chemicals

ESOTOO • KINETIC CHEMICAL'S "FREON" REFRIGERANTS
V-METH-L • CAN-O-GAS • PERMAGUM • PRESSTITE TAPE • KWIKWRAP
SUNISO REFRIGERATION OILS • WATER TREATMENT CHEMICALS

Available in Canada and many other countries

Circle No. 15 on Reader Service Card

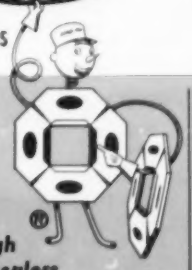
READING
"LEKTROSEAL" COPPER REFRIGERATION TUBE

A Bonus of Dependability with Every Inch!

When you specify READING, you can count on more than just standard copper tubing. It's the product of *specialists* whose entire facilities are concentrated on the fabrication of tubing, *and tubing alone,* from raw material to finished product. That's why you get that important BONUS of RELIABILITY with EVERY INCH of READING TUBING. *Specialized* research and engineering, *specialized* quality control and inspection assure you a trouble-free product second to none. Strategically located depots eliminate the problems of time and space. Personalized "Shirt-Sleeve Service" gives you *exactly* what you want, *exactly* when you want it.

For PEACE of MIND and Customer GOOD WILL— Be sure to specify READING!

READING COPPER BRASS TUBE
And RED BRASS PIPE



Sold Through Wholesalers Only

READING TUBE CORPORATION

Empire State Building, New York 1, N. Y. • Plant: Reading, Pa.

Distribution Depots:

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CHICAGO, ILL. 724 W. 50th St.
DALLAS, TEXAS 9000 Sovereign Row Brook Hollow Industrial District
HOUSTON, TEXAS 1121 Rothwell St.
OAKLAND, CALIF. 410 Hegenberger Road
LOS ANGELES, CALIF. 120 No. Santa Fe Ave.
DENVER, COLO. 2845 Walnut St.
CLEVELAND, OHIO 4615 Perkins Ave.
ATLANTA, GA. 690 Murphy Ave. S.W., Unit 5, Bldg. B

Circle No. 16 on Reader Service Card

let's talk cents

When you buy a low temperature system and check the TOTAL costs of both the low and high side, you'll be pleased to find that

KRAMER (L) THERMOBANK

COSTS NO MORE...

and you get so much more

ONLY.. *THERMOBANK* provides positive reevaporator with ample heat supply.

ONLY.. *THERMOBANK* completely protects the compressor — no liquid refrigerant to the compressor, no oil foaming, no motor overload.

ONLY.. *THERMOBANK* makes possible the use of the "Low Temperature" compressor without overloading during defrost, making possible serious reductions in first cost as well as significant operating economies.

WRITE FOR MANUAL TV-320

KRAMER TRENTON CO. • Trenton 5, N.J.

43 YEARS OF CONTINUOUS ACHIEVEMENT IN HEAT TRANSFER

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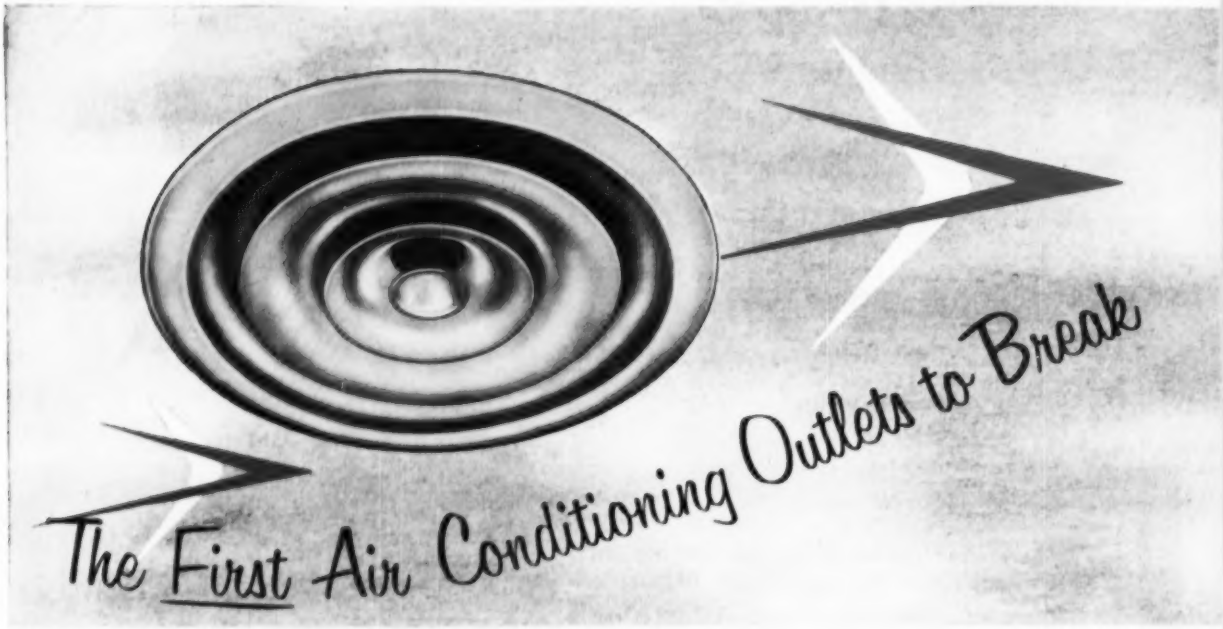
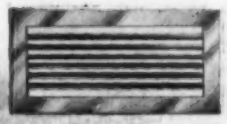


A Complete Line of Grilles,

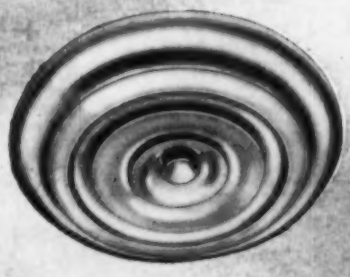


Here is a dream come true... a line of air conditioning outlets by TITUS with beautiful, graceful lines that give unrestricted freedom of design—that fit the new design trend.

Here are outlets that enhance the architect's studied motif... outlets with charm, PLUS the ability to *pinpoint* the air stream to a specific area... or *diffuse* it... or *deflect* it... or *turn* it... or *blanket* a part of a room.

Here are outlets by TITUS with such a wide variety of uses that they *accent* the overall design, whether placed in the wall, in the ceiling, or in the baseboard.

Specify TITUS air conditioning outlets and *know* that you can create the air patterns so vital to efficient heating or cooling ... and still preserve the architectural beauty.



TIGHT-SPOT *drilling* calls for Milwaukee HEAVY-DUTY TRI-SPEED Right Angle Drills

Angle-head swivels full 360° lockable in any position. Removable for straight-on drilling.

Model S-412 or S-512 **$80.50**

Ball and Roller Bearings throughout. Weight only 9 lbs.

3 SPEEDS — Straight-on, Low, High

Model	RPM Straight-on	RPM Low Side	RPM High Side
S-412 RAD	450	300	675
S-512 RAD	320	215	480

Fatigue-Free Drilling in Wood, Metals, Masonry, Composition, Etc.

Plumber's Kit 412K or 512K **$94.75**

Ruggedly-built and powered with Milwaukee full 1/3 HP, 115V, heavy-duty AC-DC Motor, the new, improved MILWAUKEE RIGHT ANGLE DRIVE Drills provide dependable power and versatility to cope with every tight-spot heavy-duty drilling job.

Complete Plumber's Kit, as illustrated, contains your choice of the S-412 RAD or the S-512 RAD ½" capacity heavy-duty drill, 1⅛" Augur Bit, 2-9/16" SELFEED BIT, Utility Wrench, Chuck Remover Pin and Steel Carrying Case.

SELFEED BIT-KIT for Big Hole Drilling

Wide use of Milwaukee Right Angle Drills for "big hole drilling" has made the Milwaukee

Milwaukee SELFEED BIT

Selfeed Bit-Kit a popular companion to the RAD. It includes ⅞", 1⅛", 1⅜" and 1½" Augur Bits . . . famous Milwaukee SELFEED BITS in 1¾", 2-⅛" and 2-9/16" diam. sizes . . . also 5½" hex. extension shank with coupling, extra twin head feed screw pilot, Allen wrench, and SELFEED BIT sharpener guide.

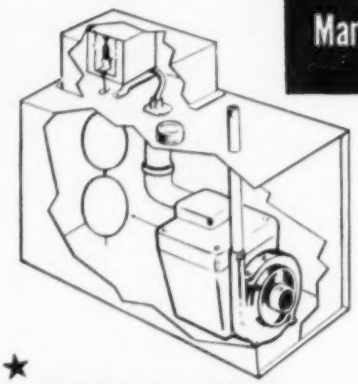
COMPLETE KIT, **$54.50**

Write today for FREE Folder RAD-5. Address . . .

MILWAUKEE ELECTRIC TOOL CORP.
8210 W. State St. • Milwaukee 8, Wis.
Canadian Distributor: MATTHEW MOORE & SONS, Montreal

Circle No. 20 on Reader Service Card

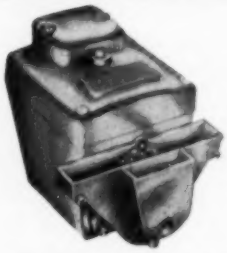
Little Giant for the AIR-CONDITIONING Market



★ **CONDENSATE UNIT**
For Refrigerated Units!

● Hermetically sealed Little Giant Recirculating Pump for trouble-free self-lubricating operation. ● Positive displacement switch with float control, double pole switch for complete circuit break plus a three-conductor cord available. ● Sturdy metal tank corrosion resistant. ● Small and Compact. ● Quiet in operation. ● Completely automatic.

PUMPS FOR ANY AIR CONDITIONING APPLICATION



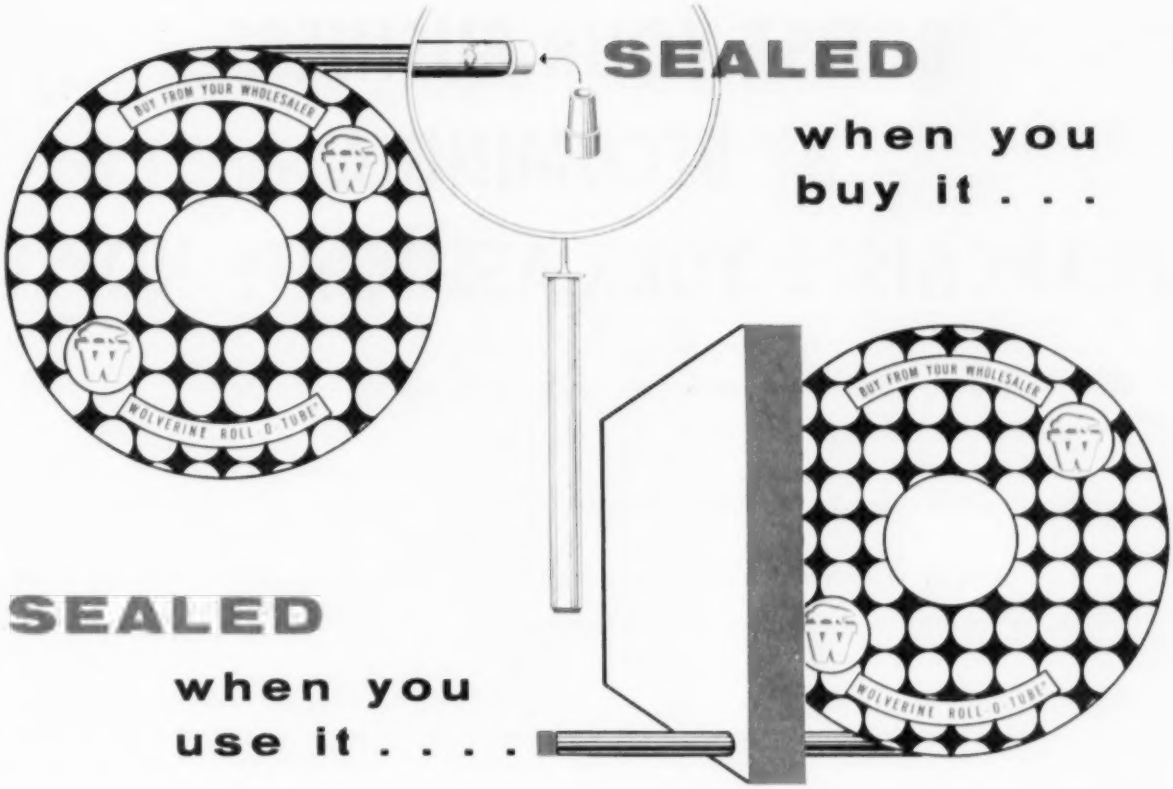
★ **VAPORIZER**
For Industrial and Commercial Evaporative Coolers

● Little Giant Vaporizer Pump, hermetically sealed in oil, self-lubricating. ● Die-Cast aluminum impeller saturates evaporator pads with fine, vapor-like spray for greater temperature drop. ● Small and compact. ● Economical to operate. ● Available for 110 volt 60 cycle or 220 volt single phase current. ● No expensive piping necessary.

Write for free catalog and price list today!

Little Giant PUMP COMPANY
Division of Little Giant Vaporizer Company, Inc.
5101 Classen Blvd., Oklahoma City 18, Okla.

Circle No. 21 on Reader Service Card



SEALED when you buy it . . .

SEALED when you use it . . . .

Remember when copper refrigeration tube came with a "one-time" seal. You cut off the seal (wasting an inch or two of tube) and that was it—there was nothing left to protect unused tube against moisture and dirt.

It isn't that way anymore. Now—from Wolverine Tube—you can specify copper refrigeration tube with a new kind of end seal—one that not only brings you the tube clean and dry, but which also keeps unused tube in the same sparkling mill condition.

Wolverine's new tube seal is a plastic plug that gives you positive sealing against moisture and dirt. It is easy to use and can be used time and time again. Because it is the same in size as the O.D. of the tube this seal makes it easy to thread tubing through partitions, etc.

This, however, is only one of the dividends you reap when you make Wolverine your "buy word" for copper refrigeration tube. In addition to positive sealing, you also get highest quality, refrigeration tube, consistent in temper and packaged in the time-saving Wolverine Roll-O-Tube® carton. Here is real convenience. Roll-O-Tube can be used as a reel, is easy to carry, easy to open and protects unused tube until needed again.

Next time you order refrigeration tube ask for Wolverine Roll-O-Tube. You'll receive positive sealing, top quality tubing and modern packaging—all at the same time.

BUY FROM YOUR WHOLESALER

CALUMET & HECLA, INC.
CALUMET DIVISION
WOLVERINE TUBE DIVISION
FOREST INDUSTRIES DIVISION
GOODMAN LUMBER COMPANY
CALUMET & HECLA OF CANADA LIMITED
CANADA VULCANIZER AND EQUIPMENT COMPANY LIMITED

WOLVERINE TUBE

Division of Calumet & Hecla, Inc.
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Manufacturers of Quality Controlled Tubing and Extruded Aluminum Shapes

PLANTS IN DETROIT, MICHIGAN, AND DECATUR, ALABAMA. SALES OFFICES IN PRINCIPAL CITIES

EXPORT DEPARTMENT, 13 EAST 40TH STREET, NEW YORK 16, NEW YORK

8830

Circle No. 22 on Reader Service Card

BOOST YOUR BUSINESS BY BECOMING A FRANCHISED YORK ASSOCIATE* NOW!

- **In every industry there is a leader whose product becomes the measure by which the merit of all others is gauged.**
- **Public estimation decides its worth. It must be earned by years of performance.**
- **As it is for 130 Franchised York Associates today, York's reputation will be your customers' unwritten guarantee of leadership.**

In order to keep pace with the ever increasing demands of rapidly widening fields of application in the medium capacities, York is expanding its Industrial Sales Organization to include a limited number of *Franchised Associates* who are prepared to take advantage of the profit possibilities offered by AIR CONDITIONING, REFRIGERATION, or both.

Ability to meet the exacting demands of industry for the past 75 years is York's unwritten guarantee . . . a guarantee of quality and dependability behind every piece of York equipment.

That's why York Refrigeration and Air Conditioning are the universal preference and bear the unqualified endorsement of users everywhere . . . in gigantic cold storage and packing houses as well as in the retail market . . . from the largest dairy and ice cream plants to the smallest dealer in dairy products . . . in the mammoth hotel, where food and comfort are provided for thousands, as well as in the smallest restaurant . . . from the vast department store down to the smallest specialty shop . . . in steamship and highway transportation . . . in hundreds of industrial processes . . . wherever absolute dependability is the first consideration.

The art of building for this exacting duty is not learned in a day. It can be acquired only by systematic and cumulative progress . . . invention . . . design . . . research . . . development . . . backed by a steady faith in public judgment and the confidence that greater excellence brings its own reward.

Unparalleled service, too, is a tradition with York. Throughout the years York has developed a field engineering organization in which the user of York equipment can concentrate full responsibility for the overall design and proper functioning of the completed plant . . . an organization reinforced with a wealth of data acquired in its many years of growth . . . an organization dedicated to the application of efficient, trouble-free refrigeration and air conditioning to every commercial and industrial need, large or small. A rich background.

York offers *Franchised Associates* a complete line, engineered and built to meet today's demands . . . efficient . . . flexible . . . sturdy. Because of the wide range of capacities in which it is available there is no handicap in selling York Industrial equipment. The correct system . . . not a makeshift . . . can be offered for every installation. As a *Franchised Associate*, you can build good will and expanding business with York . . . a name which is recognized as a symbol of sound engineering, intensive research and integrity in manufacture.

For full information on your opportunities as a York *Franchised Associate*, contact the York Office listed in the Yellow Pages of your Telephone Book or write York Corporation, a Subsidiary of Borg-Warner Corporation, York, Pennsylvania.

*Contracting dealer

York refrigeration air conditioning — YORK B-W

the quality name in air conditioning and refrigeration

HEADQUARTERS FOR MECHANICAL COOLING SINCE 1885

YORK
CORPORATION
SUBSIDIARY OF BORG-WARNER CORPORATION

Circle No. 23 on Reader Service Card

Send for your copy of this new 112-page book today

The American Brass Company
Waterbury 20, Conn.

Send me my copy of Publication C-12, "Anaconda Copper Tube Fittings and Valves."

NAME.....

COMPANY.....

ADDRESS.....

CITY.....ZONE....STATE.....

A CATALOG LISTING THE MOST COMPLETE RANGE OF FITTINGS FOR USE WITH COPPER TUBE.

- *Lists all sizes—bag quantity, where applicable*
- *Approximate net weights*
- *Roughing-in dimensions*
- *Suggestions for installation*

The full line of Anaconda Fittings is designed to match Anaconda Tube.

Anaconda Tube is consistently uniform in gage, size and temper. It's easy to work with.

Pick up both at your Anaconda wholesaler's – for fast, easy installations – for copper systems you can put in and forget.

8701

ANACONDA®

COPPER TUBES AND FITTINGS

AVAILABLE THROUGH PLUMBING WHOLESALERS

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SECTION 3

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Brass Fittings for Flared Tubes. In all standard combinations, nominal sizes from ⅛" through 3".

SECTION 6

Flanged Fittings. In sizes to meet all standard requirements.

SECTION 7

Accessories. Hangers, Flanging and Sizing Tools, Tube Straps.

SECTION 8

Cast-Brass Valves. Full range of standard sizes and combinations.

Circle No. 24 on Reader Service Card

A.O.Smith

Permaglas® ANNOUNCES

two new money makers for 1957

A THRIFTY SELF-CONTAINED COOLING UNIT IN SIZES UP TO 3½ HP

With a size for every requirement and a price that makes central air conditioning available to thousands more of *your* prospects, the new *Permaglas Self-Contained* may be installed in the attic, basement or wherever most convenient. The *Permaglas Self-Contained* takes the *problem* out of "problem cooling installations"—even in boiler-heated homes—because it can operate independently as well as in conjunction with the warm air heating system. Air-cooled . . . 1¾, 2 and 3½ HP sizes.

A REMOTE AIR CONDITIONING PACKAGE FEATURING "LAWN LEVEL" AIR INTAKE

The 1957 *Permaglas Remote* is fairly brimming with exciting new features, to make selling a pleasure and installation an easy task. Efficient up-draft design—with cooling air entering at *lawn level*—keeps condensing unit operating at top capacity. Matching *Permaglas Evaporators* are available in a wide variety of types and sizes to fit any warm air unit . . . to overcome any air handling problem. Air-cooled . . . 1¾, 2, 3 and 5 HP sizes.

HORIZONTAL COOLING UNITS
2 and 3 HP
Water-cooled

VERTICAL COOLING UNITS
2, 3 and 5 HP
Air-cooled and Water-cooled

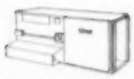
YEAR-'ROUND UNITS
Gas-fired—to 150,000 BTU input
Oil-fired—to 129,000 BTU output
Cooling capacity—2, 3 and 5 HP
Air-cooled and Water-cooled

Plus a Full Line of Proven Permaglas® Favorites

HI-BOYS
Gas-fired——to 200,000 BTU input
Oil-fired——to 156,800 BTU output

LO-BOYS

DOWN-FLOWS



HORIZONTALS
Gas-fired—to 140,000 BTU input
Oil-fired—to 252,000 BTU output

HOME HEATING BOILERS
Gas-fired—to 420,000 BTU input

GAS CONVERSION BURNERS
to 345,000 BTU maximum input

CONVERSION OIL BURNERS
to 3.00 GPH firing rate

With the addition of these outstanding new models, *Permaglas* is now—more than ever—your assurance of *the right cooling unit* at *the right price.* And remember that every *Permaglas* heating and cooling unit is fully approved and fully guaranteed by the world-famous A. O. Smith Corporation.

Fill out and return the attached coupon right away, for top air conditioning profits in 1957!

Sales Department, Permaglas Division, Dept. CRAC-357
A. O. SMITH CORPORATION, Kankakee, Illinois
Please send me full information on the new Permaglas Air Conditioning line for 1957.

Name.....Title.....

Company.....

Address.....

City.....Zone.....State.....

Permaglas® is on its way

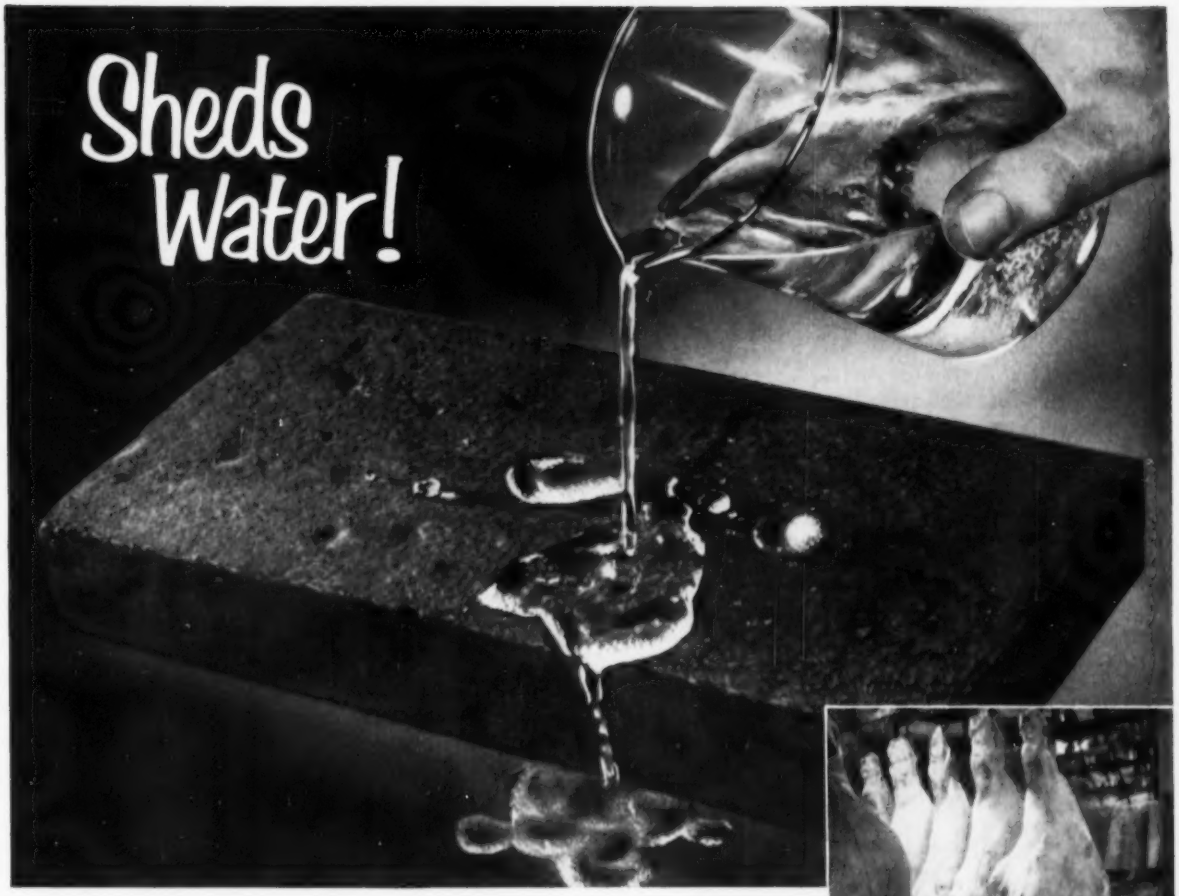
. . . Are You Aboard?

Through research . . . a better way

A.O.Smith
CORPORATION
Permaglas Div., Kankakee, Ill.
International Div., Milwaukee, Wis.

makers of famous **Permaglas** *glass-lined water heaters . . .* **Burkay** *commercial water heaters*

Circle No. 25 on Reader Service Card



This Rock Cork advantage means lasting thermal effectiveness— *lower operating costs!*

If an insulation absorbs cold-room moisture and condensation, its thermal efficiency is quickly reduced—and operating costs are increased substantially!

Moisture resistance is, therefore, one of Rock Cork's major advantages!

Tests prove that Rock Cork absorbs less than 1% moisture by volume, even after prolonged exposure to air at 95% relative humidity. That's why Rock Cork maintains its low thermal conductivity in cold-room atmospheres . . . why its effective service life is measured, not in years, but in decades.

Developed at the world-famous Johns-Manville research laboratory, Rock Cork also offers unsurpassed resistance to fire, low conductivity for precise temperature control, ease and speed of installation. Rock Cork is also inherently odorless. It will not absorb or transmit the strongest odors, nor contaminate the most delicate foods.

Rock Cork is available in sheets and pipe insulation in standard sizes and thicknesses. For complete information on this new development in refrigeration insulation, write to Johns-Manville, Box 14, N.Y. 16, N.Y. In Canada: Port Credit, Ont.

Ideal for cold rooms. Rock Cork will not contaminate delicate foods. It can't decay, is immune to mold growth, won't harbor bacteria and repels insects and vermin.

Proved in flame! New J-M Rock Cork passes with the highest—"incombustible"—rating, the exacting Columbia Fire Test of the National Bureau of Standards' CS131-46. In test, a gas flame impinges directly on the material for 40 minutes. Temperature of flame reaches 1300F in eleven minutes, and 1700F in thirty minutes. Material must not flame during test—nor flame or smolder after gas is shut off.

Johns-Manville

incombustible

ROCK CORK INSULATION

Circle No. 26 on Reader Service Card

ABOUT PEOPLE

Appointment of **Bruce W. Reid** as manager of field service has been announced by O. A. Sutton Corp., Inc. During the past 22 years Reid has been associated with nearly every phase of the air conditioning and cooling business.

•

George C. Mumford, secretary-treasurer of Brunner Mfg. Co., has been elected to the board of directors. Mumford, financial officer of the company since 1953.

•

Dr. Bela K. Erdoss has been elected president of Korfund Co., Inc. Dr. Erdoss also is president of Cork Foundation Co., Inc. and Korfund Co. (Canada) Ltd. In these positions, he succeeds Siegfried Rosenzweig who organized Korfund in 1923.

•

Research Products Corp., announces the appointment of **A. R. Struck** as district salesman in its southwest division. Struck will serve suppliers of heating and air conditioning equipment in Oklahoma, Arkansas, and north Texas.

•

Three sales changes have been made at Trane Co. **James Whalen,** formerly manager of convector sales, has been promoted to head up the firm's transportation sales section. His new assistant is **Kenneth Shannon,** formerly compressor and Cold Generator engineering sales. Replacing Whalen as convector manager is **L. E. Daniel,** formerly UniTrane air conditioning sales.

•

Herbert J. Keller has been appointed purchasing agent of A-P Controls Div., Controls Co. of America. Keller has been with A-P Div. and its predecessor, A-P Controls Corp. for 11 years, the past nine years in the capacity of senior buyer.

•

Appointment of **George Lucas** as district sales representative for its packaged air conditioners in the Texas-Oklahoma area has been announced by Mitchell Mfg. Co. He will headquarter in Dallas. He formerly was a heating and air conditioning contractor in Miami, Florida.

•

Appointment of **Frank A. Haag** as manager of automotive refrigeration of Bendix-Westinghouse Automotive Air Brake Co., has been announced. Haag, with 20 years experience in the refrigeration field, returns to the industry after an absence of five years during which he was sales manager of commercial products of Jack & Heintz Inc. Previously, he was sales manager of Tranter Mfg. Co. and eastern district manager of Fedders Mfg. Co.

•

Duane Quamme has been named sales manager of Union Asbestos & Rubber Co.'s Coldmobile Div. Quamme joined Unarco in 1951 and had been assistant field sales manager of the company's heating division. He will serve as assistant to Max H. Schachner, manager of the Coldmobile Div.

•

Larkin Coils, Inc., has appointed **Charlie Wachholtz** sales representative for Texas and Oklahoma. Wachholtz joined Texas Refrigeration Supply Co. of Fort Worth in 1945. In 1949, he moved to Dallas to open and manage the Dallas branch of Texas Refrigeration Supply. When that branch was sold in 1954, and the name was changed to Climate Supply Co., he remained as general manager. He later left that post to become a manufacturers representative.

•

Appointment of **John W. Arnold** as branch manager, Pittsburgh branch, National-U.S. Radiator Corp., has been announced. Arnold succeeds Cecil T. Hale, who is retiring. Prior to his new assignment, he served as a salesman in the Pittsburgh office, covering southwest Pennsylvania and northeast West Virginia.

•

O. Fred Peterson has been appointed to the newly created position of western sales manager for Victory Metal Mfg. Corp., Peterson, who was promoted from sales engineer, has established his headquarters in Oklahoma City, Okla. He will supervise sales activities in 16 western states.

•

Trane Co. announces the additions of **A. G. Barry** and **Ernest Cummings** to its field

sales staff. Barry will handle Trane's self-contained air conditioning lines in the Chicago area, while Cummings has been assigned to the Atlanta office.

•

Betz Div. of Bohn Aluminum & Brass Corp., announces two sales appointments and a corresponding realignment in the sales structure. Sales activity now will be directed into heat transfer products for original equipment manufacturers application, industrial air conditioning, and commercial refrigeration through wholesale outlets. **Russell E. Keller** has been appointed sales manager of industrial air conditioning. Keller will direct activity in a new phase of Bohn operation — a complete new line of self-contained air

R. E. Keller

R. W. Carvell C. E. McAdoo

conditioning equipment for industrial installation. He has had 26 years' experience in the air conditioning and refrigeration field. He joined Bohn in December, 1956. **Robert W. Carvell** has been recalled from the field and appointed sales manager of commercial sales. Carvell will cover all wholesaler activities and supervise advertising and sales promotion. He has had 10 years' sales experience in the industry. He joined Bohn in June, 1956. Three additional appointments were announced: **Charles B. Simison** was appointed application engineer; **Donald J. Jessup** was appointed to order service and sales responsibilities; and **Charles E. McAdoo** was named advertising manager.

Earl F. Waldenmeyer has renewed his association with Simpson Electric Co. as chief meter specification engineer. Waldenmeyer has been a member of the Simpson engineering staff for eight years prior to his departure 12 months ago.

•

R. W. Olsen has been named manager of commercial engineering for General Electric Home Heating & Cooling Dept. Olsen is headquartered at the department's new plant in Tyler, Tex. Prior to his present appointment, he was supervisor of product services for the department. Previously, he was in design and field engineering. He began with the firm in 1931 and joined the Air Conditioning Div. in 1935.

•

Penn Controls, Inc., announces the appointment of **Grover M. Russell** as manager of design en-

gineering. Russell has been a project engineer in the design engineering section for the past year. Before joining Penn, he was associated with Hotpoint Co. and International Harvester Co.

•

Jasper A. Smith, Frigidaire sales and engineering executive, has retired after more than 35 years of service with General Motors divisions. Smith joined Frigidaire in 1933.

Appointment of **Kenneth E. Ultsch** and **Hrant H. Yousoufian** as sales engineers in the OEM Sales Div. has been announced by Acme Industries, Inc. Ultsch comes to Acme after five years with Trane Co. as assistant product manager in the refrigeration sales division and one year with A-P Controls. He will make his headquarters in the company's main offices in Jackson, Mich. Yousoufian has eight year's experience in the design, engineering, and installation of air conditioning and refrigeration systems. He will operate out of Acme's New York City office.

K. E. Ultsch H. H. Yousoufian

•

Appointment of **Edward A. L. Cox Jr.** as sales representative for Janitrol Heating & Air Conditioning Div. of Surface Combustion Corp. has been announced. Cox will represent Janitrol in New Mexico, Arizona, and the El Paso trading area. His office will be located at El Paso. He previously was associated with Electrical Mechanical Supply Co. of El Paso where he was in charge of the heating and air conditioning department. He is a member of the American Society of Heating & Air Conditioning Engineers.

•

Jack Searls, formerly assistant to the vice president of Penn Controls, Inc., has been named assistant to the president of Waterman-Waterbury Co. Searls will specialize in new business development. He was manager of Penn Control's heating division for three years. Previously, he was with White-Rodgers Electric Co. He has been in the heating industry more than 20 years.

Two personnel changes have been announced by Bell & Gossett Co. **William G. Carlisle** now will direct all training and educational work. Carlisle joined the company in 1952. **Frank Gall** has been appointed manager of the heat transfer department. Gall, who joined Bell & Gossett more than 20 years ago, has been active in many branches of its activities, including engineering, manufacturing, sales, and education.

W. G. Carlisle

F. Gall

•

James Emmett Jr., vice president of Jas. P. Marsh Corp., has announced the appointment of **F. O. Pauls** as advertising manager of the Skokie, Ill., firm. Pauls has been with the Jas. P. Marsh Corp. for the past 15 years, beginning in the sales department. For the past five years he has been assistant advertising manager.

•

Appointment of **Edgar B. Sterrett Jr.** to the newly created position of assistant manager of promotion and sales training has been announced by Armstrong Cork Company. Sterrett will assist Fred W. Huffman, manager of promotion and sales training. He joined Armstrong in 1952. After training he was assigned to the company's Chicago district office as a salesman for lumber dealer products. In 1954, he was transferred to Minneapolis as a resident salesman, and has served there since that time.

•

Leonard J. Sahs and **Harlan J. Lortz** have joined the engineering staff of Amana Refrigeration, Inc. Sahs has been appointed assistant chief engineer of Amana's air conditioning division, and Lortz becomes process engineer in charge of the engineering quality control and processing program.

•

Appointment of 10 new agents to market Isotron refrigerants in the east and midwest has been announced by Pennsalt Chemicals. **Allen B. Harvey** will represent the company in the Northeast from headquarters in Paterson, N. J.

Harvey is former eastern sales manager for Eston Div. of American Potash and Chemical Co. **Carl Stewart** will cover New York State and western Pennsylvania. **Norman K. Porter** will serve Michigan and Ohio from headquarters in Pontiac, Mich. I. H. Cohler Co. of Chicago will serve the north central area. A veteran of thirty years in the field of refrigeration and air conditioning, **Cohler,** with his associates **G. W. Chilson** and **E. E. O'Neil** will handle sales in the Chicago area, northern Indiana, Iowa, Minnesota and Wisconsin. **R. L. Williams** has been appointed representative at Oklahoma City. **Rudy A. Wolfe** and **Walter Evans** will market the product in Louisiana, Mississippi, Arkansas and southern Texas including Houston and San Antonio. **Len Wright** has been appointed Florida representative.

BUY FROM YOUR REFRIGERATION WHOLESALER

Appointment of **W. G. Senft** as vice president of manufacturing for American-Standard Air Conditioning Div. has been announced. Senft has been associated with American-Standard since 1936 and has served as product manager since 1953. He will direct the division's complete manufacturing activities which are conducted at the plant in Elyria, Ohio. He replaces **F. P. Weil** who has been appointed general manager of Enamel Plants of the American-Standard Plumbing and Heating Div. Weil will be in charge of operations in American-Standard plants in Baltimore, Louisville, and Richmond, Calif. He will headquarter in New York. Also announced is the appointment of **Robert Wilson** as product manager to succeed Senft. Wilson has been associated with the firm since 1954.

•

C. Benjamin Ramsdell has been appointed general manager of the General Electric commercial and industrial air conditioning department. Ramsdell will be located at the division's headquarters, Bloomfield, N. J. He joined the firm in 1940. Prior to his present appointment he was manager-manufacturing at the company's low voltage switch gear department, Philadelphia.

•

Frank C. McManus has been named president of Anthony Co., manufacturer of lift gates for motor trucks. McManus, for 20 years, was associated with Mack Truck Co., both as an engineer and factory manager.

•

Harold N. Barnes has joined Tyler Refrigeration Corp. as chief industrial engineer. He comes to Tyler from Servel, Inc.

WIN A TRIP FOR TWO TO MEXICO CITY

BIG BONUS FOR AIR CONDITIONING DEALERS!

Luxurious, all-expenses-paid vacation in one of the world's natural paradises! Yours . . . along with Bigger Profits and Better Business when you sell General Electric Commercial & Industrial Air Conditioners

Here's what you do:

First—call your General Electric Distributor—or mail coupon at right. Do it today! Then—get set for the time of your life. More profits, business and prestige—plus a free vacation you'll never forget. How can you miss? You'll be handling the finest products of their kind—and getting the strongest sales and advertising backup in the industry! You'll soon roll up the sales volume needed to send you to Mexico City. Don't delay—act now!

Progress Is Our Most Important Product

GENERAL ELECTRIC

MAIL COUPON NOW!

C. J. Rigby—General Electric Company—Section B2
Commercial & Industrial Air Conditioning Dept.
5 Lawrence St., Bloomfield, N. J.

Yes—It's Mexico City for me! Rush the whole story!

Name _____

Company _____

Address _____

City _____ Zone ____ State _____

In Canada, Canadian General Electric Co., Ltd., Montreal

Circle No. 31 on Reader Service Card

Which ice is best for your prospects?

That depends on their business. For instance, cubes and crushed ice are best for most bars and restaurants. Chip ice is the choice of many diners and luncheonettes. Supermarkets usually want flake ice for their display cases. But no matter what kind of ice a prospect wants you can depend on this: a Carrier ice machine can supply it! Cubes, crushed, flaked or chips . . . you've got them all when you sell Carrier, the most complete line on the market. What's more, only Carrier supplies you with the sales-closing power of Certified Capacity—ice production guaranteed in writing*. Isn't it time you called your Carrier Distributor? Or write Carrier Corporation, Syracuse, New York.

Carrier

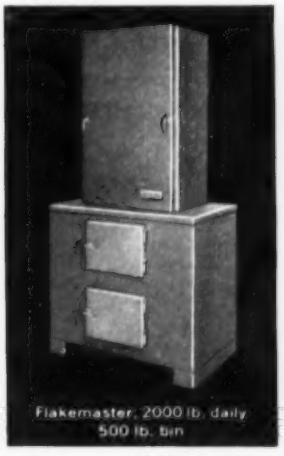
*All ice productions listed on opposite page achieved with 70 degree water and 90 degree air.

CUBES? Four Icemakers (above and below) can supply cubes to prospects in the amount they need. Trouble-free operation, exclusive jet-action cleaning. Take little more space than a household refrigerator.

CRUSHED? Any Icemaker (above and below) can be equipped with a factory-installed crusher for crushed ice. Can produce 100 pounds for about 15¢ worth of water and electricity. Saves a good 80% on ice bills!

FLAKES? Advanced design of Carrier Flakemasters (below) eliminates rotary refrigerant or water seals. Ice is sub-cooled to last longer. Model on left also available in air cooled version with 850-lb. capacity.

CHIPS? Only Carrier Chipmasters (below) make chips, the new multi-purpose ice. Chip ice is tops for drinks, adds sparkling eye appeal to foods. Always crystal clear . . . easy to scoop . . . easy to pour.



Circle No. 32 on Reader Service Card

DON'T PLAY THE SHELL GAME WITH COMPRESSORS!

THIS SERIAL PLATE

SERIAL NUMBER — BILL OF MATERIAL

56	432772	TP	13371-3
A5	V115	HP 1/3	S3414
CY 50/60		AMP 5.5	LRA 23.0

tells you exactly what is under the shell of each

Tecumseh HERMETIC COMPRESSOR

Playing a guessing game with compressors can lead to costly call-backs and dissatisfied customers. The compressor selected by the original equipment manufacturer is engineered for that job and should be replaced by a like model or authorized parts. That is why it is important to check the serial plate. It is the only way you can properly identify Tecumseh compressors and make sure you have the right compressor for your application.

Note in the above serial plate, the model number S3414, and the horsepower, 1/3 H.P. In the upper left-hand corner, the year of manufacture. Below this is the month, coded A for January through the alphabet to M for December, plus the day (I is eliminated because of the similarity to the Roman Numeral I). The compressor shown is a Model S3414, 1/3 HP, 115 V, 50/60 Cycle, built January 5, 1956. The bill of material number is the most important number on the serial plate and completely describes the compressor to us. It is necessary among other things, to determine the proper electrical components. With this information, your wholesaler can supply you with the exact replacement parts or the proper replacement compressor. Remember to check the serial plate and be sure!

The World's Largest Producer of Compressors for the Refrigeration Industry

TECUMSEH PRODUCTS CO.

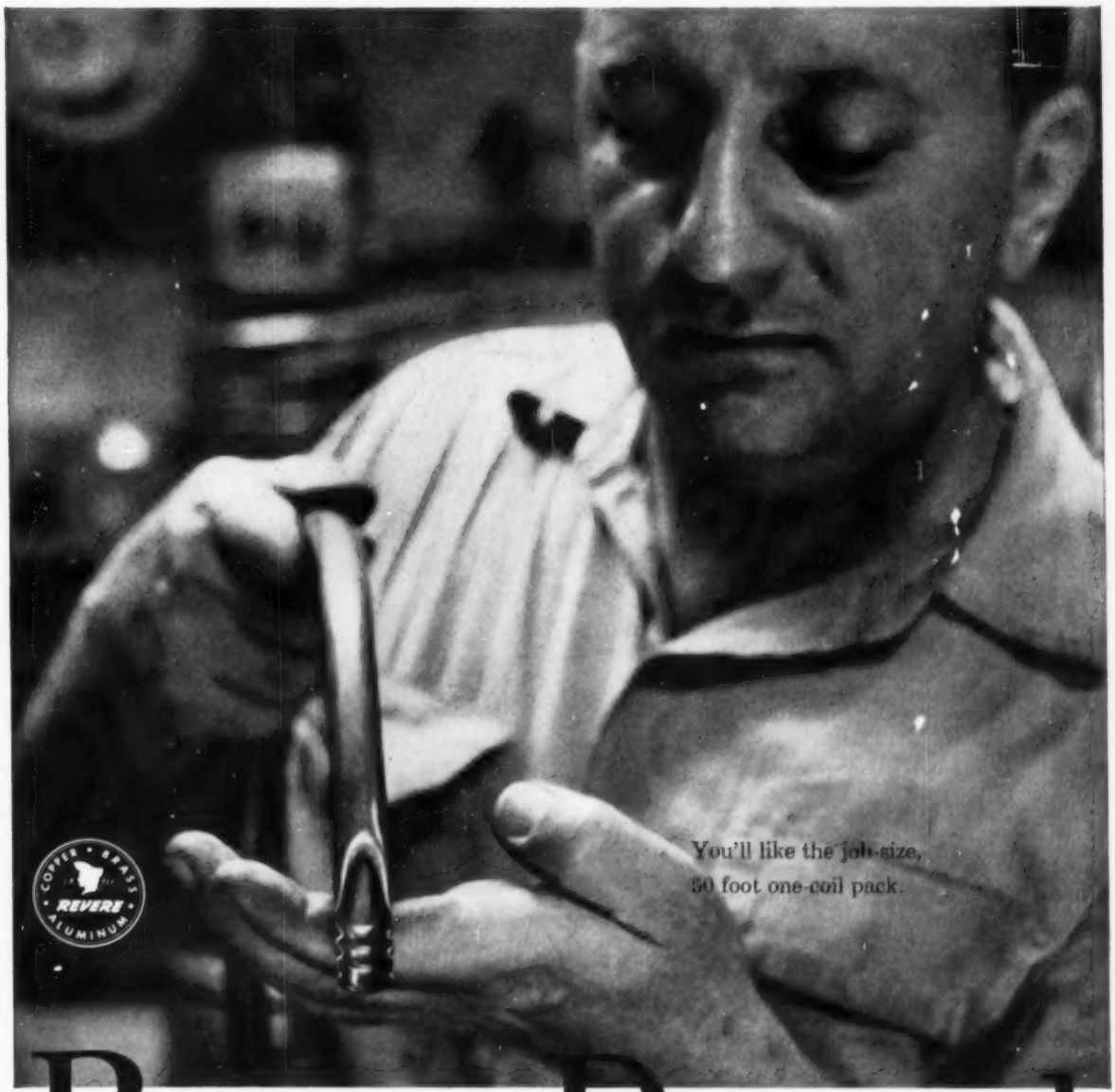
Marion, Ohio
Tecumseh, Michigan

EXPORT DEPT.—P. O. Box 2280, 24530 Michigan Ave., W. Dearborn, Michigan

Circle No. 33 on Reader Service Card

Double crimp

Double crimp keeps DRYSEAL tube whistle-clean, bone-dry. Crimps are *tube*-size, too; slip easily through fittings. Dead-soft DRYSEAL means finger-easy, no-tool bending. Try it on your next job. Sizes $\frac{1}{8}$" to $\frac{3}{4}$".



Revere Dryseal

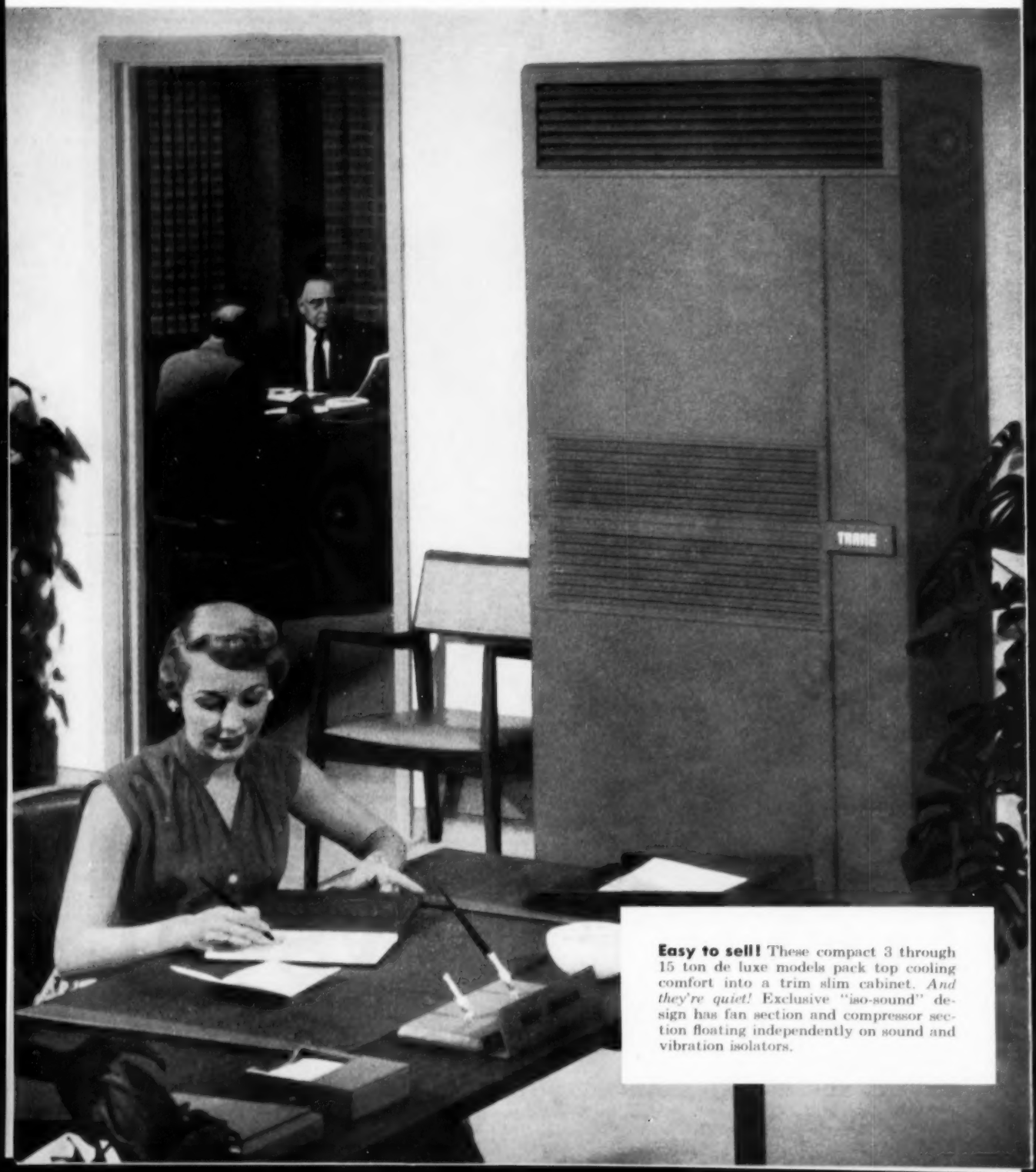
COPPER REFRIGERATION TUBE

You'll find a Revere Distributor close at hand.

REVERE COPPER AND BRASS INCORPORATED, *founded in 1801 by Paul Revere*

Circle No. 34 on Reader Service Card

As a Trane Authorized freedom to bid on any



Easy to sell! These compact 3 through 15 ton de luxe models pack top cooling comfort into a trim slim cabinet. *And they're quiet!* Exclusive "iso-sound" design has fan section and compressor section floating independently on sound and vibration isolators.

source you'll have air conditioning job

Now! Sell self-contained units from 3 to 20 tons—backed by a nationally-known line . . . no exclusive franchise!

More and more air conditioning contractors and dealers are finding that it pays to go TRANE all the way! They know that the complete TRANE line of units to 1500 tons—plus a full line of self contained air conditioners from 3 to 20 tons—gives them complete freedom to go after *any* air conditioning job!

The TRANE Self-Contained units for 1957 are the finest ever! Designed and built by a leader in big building system air conditioning, they're easy to sell, easy to install. And TRANE self-contained air conditioners are supported by a powerful program of sales and service help!

As a TRANE Authorized Installer, you'll have competitively-priced equipment to handle *any size, any type* of air conditioning job. And, best of all, you'll have the backing of a reliable source, nationally known and accepted.

Ask your nearby TRANE Sales Representative now about all the extra advantages you'll have as TRANE Authorized Installer—or write direct to TRANE, La Crosse, Wisconsin.

HERE'S WHY IT WILL PAY YOU TO TURN TO TRANE:

- **Complete line!** Competitively-priced equipment for *any* air conditioning job is available to you as a TRANE Authorized Installer for packaged equipment.
- **A leader in the industry!** TRANE is well known for outstanding air conditioning equipment . . . the famous TRANE CenTraVac, UniTrane units, compressors.
- **A truly national service organization**—fully trained and equipped to help when needed.
- **Complete business freedom!** As a TRANE Authorized Source you have complete freedom of action in buying and selling.
- **Nationwide sales force.** A network of Sales Offices in 90 cities working with architects and engineers helps to obtain favorable specifications and over-all company acceptance.

National advertising like this promotes acceptance for the complete TRANE line.

Colorful literature helps you sell! Includes booklets, posters, signs, and decals.

Easy to install! The 10-15-20 ton commercial sizes can be located outside of conditioned space for use with ductwork, if desired. These big capacity units will help you get the profitable larger installations!

For any air condition, turn to

TRANE

MANUFACTURING ENGINEERS OF AIR CONDITIONING, HEATING, VENTILATING AND HEAT TRANSFER EQUIPMENT

The Trane Company, La Crosse, Wis. · Eastern Mfg. Div., Scranton, Pa. · Trane Company of Canada, Ltd., Toronto
90 U. S. and 19 Canadian Offices

Circle No. 35 on Reader Service Card

It's the LAW!

by Albert Woodruff Gray

Legal problems are an inherent part if operating any business enterprise. If you are beset by them, you'd better talk to your lawyer. This column, which appears periodically in the issue of COMMERCIAL REFRIGERATION AND AIR CONDITIONING, in no way aspires to serve as legal counsel for our readers. It is prepared, however, by a man well versed in legal practices and opinions, and by presenting digests of actual court cases involving commercial refrigeration and air conditioning dealers and contractors we hope to enable our readers to sidestep some of the legal pitfalls into which they otherwise might unwittingly stumble.

—*The Editors*

DEALER FIGHTS OWNERSHIP RIGHT

SUIT was brought by Massachusetts dealers to recover possession of four air conditioning units and a water tower. These had been installed in an office building in Boston under a written agreement that the equipment should remain personal property and ownership continue in the seller until the price agreed upon should be paid in full. At the time of this transaction the building in which this equipment was installed was already subject to two mortgages and $15,417 unpaid and past due under this sales contract.

This air conditioning plant, accord- to the court, could be easily removed and used elsewhere without injury either to itself or to the building and should it be so removed the building could afterwards be used in the same manner and for the same purposes as before the plant had been installed. In awarding possession to the dealer the court said of the equipment,

"They were installed only on the second and third floors of the building. Doubtless the purpose of the owner was to make the offices on those floors more attractive to tenants. We are led to believe, however, that the installation was tentative and in the nature of an experiment. Its effect on rental values was problematical.

"As we understand it the water tower assists the circulation of water to the different units. If these units are discontinued and disconnected it does not

appear that the tower will be required as a circulating medium for water in any established system. We conclude that the water tower and air conditioning units were not installed with any definite purpose of permanent retention. In our opinion they did not lose their character as chattels and become a part of the realty."

Bay State York Co. v. Marvix, Inc., 119 N.E.2d 727, Massachusetts.

SUIT FOR COMMISSIONS ON SERVICES RENDERED

BEFORE a Rhode Island court for decision recently was an action brought by a salesman for commissions he claimed were due him for the sale and servicing of refrigeration store equipment. Some machinery of this character had been purchased by this customer in the past and he had told the salesman he was interested in further purchases. Under the contract made with this buyer the salesman's employer was to remove some items already installed, who had assured the purchaser that the salesman would take care of the repair and service work.

In his defense to the salesman's suit for commission on this transaction the dealer insisted his only obligation to the salesman was for the servicing of these units for the agreed price of $75 each.

In its refusal to grant the employer a new trial after a verdict by the jury in the salesman's favor, the appellate court said in its affirmance of that ruling.

"I think it has become a question of creditability. There is nothing in the employee's testimony — nothing inherently improper, nor was there anything, in my opinion, in the manner in which he testified that would justify the court in coming to the conclusion that he was not to be believed. In other words I think the jury was entitled to accept the testimony of this salesman as true.

"Both the jury and the trial justice have decided in favor of the salesman. In such circumstances we cannot disturb the decision of the trial justice on a motion for a new trial unless it is clearly wrong."

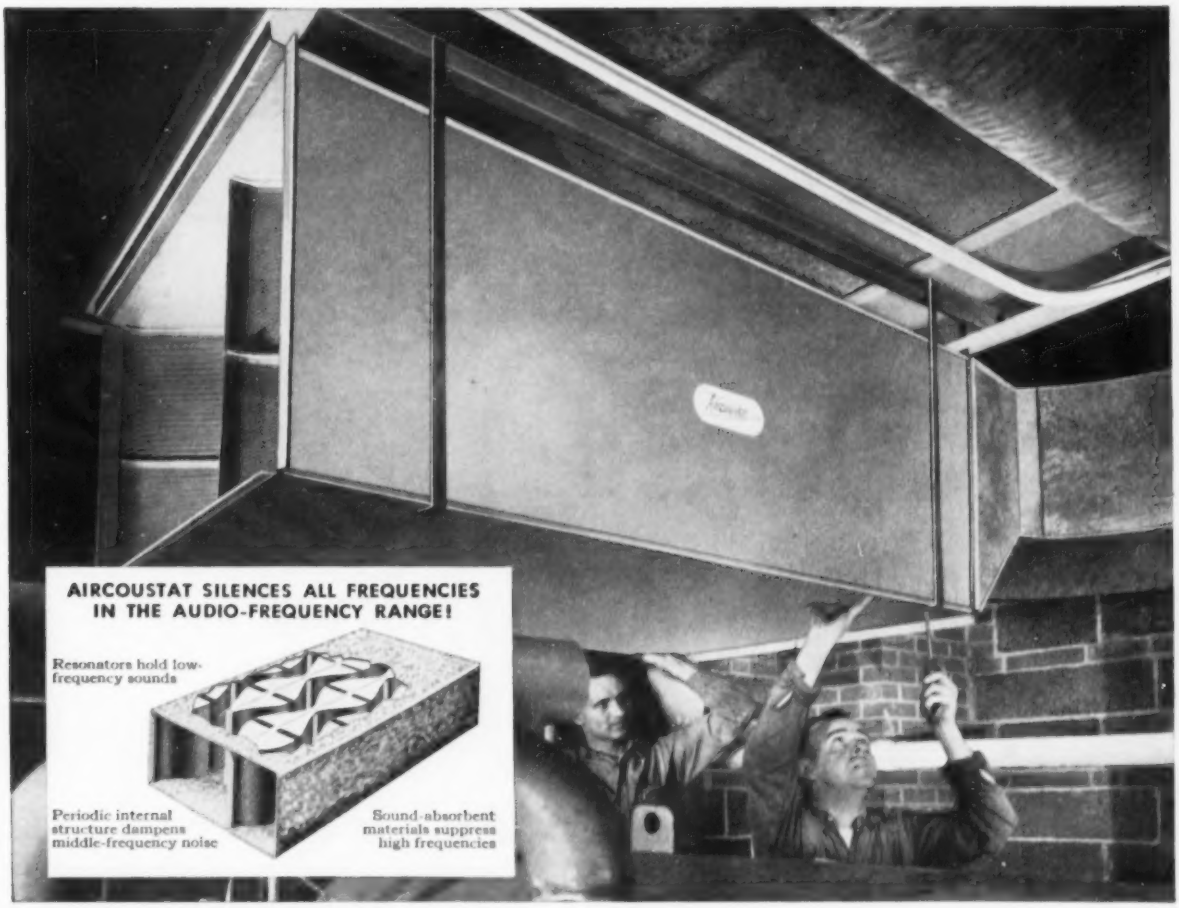
Grillo v. Schaperow, 104 Atl. 2d 748, Rhode Island.

TRADE FIXTURES AWARDED TENANT

IN Tyler, Tex., the owner of a building claimed the ownership of air conditioning units on the termination of a lease of a tenant when he vacated the store he had occupied on these premises.

These units were connected with the building only by electric wires and ¼" tubing laid on the ceiling joists.

Continued on page 195



AIRCOUSTAT* Sound Traps eliminate air conditioning noise at 50% less cost

Acoustical Performance Guaranteed. Easy to Install. Pre-Engineered—No Design or Layout Headaches.

Revolutionary AIRCOUSTAT Sound Traps for low-velocity air conditioning systems reduce labor, materials and storage costs. Deliver guaranteed noise control efficiency.

You don't need special tools for installation. Since one 5-foot AIRCOUSTAT does the job of 80 feet of ordinary duct lining, you have less to install. Fitting AIRCOUSTAT units is easy since they fit any shape of duct . . . and are not dependent upon the size of the duct cross-section. Pre-engineering saves design and layout time because AIRCOUSTATS don't have to be individually designed for each particular duct in the system. AIRCOUSTAT simplifies your storage problems and lets you get materials on the job early. In-shop lining of duct is eliminated—you can ship your ducts nested together and store them outside on the job site.

Discover how AIRCOUSTAT Sound Traps can save you time and money . . . create greater customer satisfaction.

*Koppers Trademark

KOPPERS **INDUSTRIAL SOUND CONTROL**

Engineered* Products Sold with *Service

MAIL THIS COUPON TODAY

KOPPERS COMPANY, INC., Metal Products Div., Industrial Sound Control Dept., 7703 Scott St., Baltimore 3, Md.
Gentlemen: Please send me a free copy of your booklet on AIRCOUSTAT Sound Traps.

Name..... Title.....

Company.....

Address.....

City..... Zone..... State.....

Circle No. 39 on Reader Service Card

Westinghouse Packaged Air Conditioning is.....

Now Westinghouse Air Conditioning, long famous for dependability, is also the quietest in the industry! And has new sales appeal in the most complete and handsomely styled line available.

Westinghouse engineers achieved this enviable quietness by a complete redesign. Here's what they did: de-tuned the gas chambers of the compressor, designed a far more efficient muffler, engineered out objectionable frequencies, killed remaining noise in an acoustical chamber isolated from the air stream. Result?—"whisper-quiet" operation in all units . . . satisfied customers.

What's more, Westinghouse gives you the most *complete* air conditioning "profit-family" in the industry—air or water-cooled units for any installation plus the all-new 1957 Westinghouse line of gas and oil-fired furnaces, manufactured with air conditioning in mind.

These are just several reasons why a Westinghouse franchise is so highly valued by leading contractors and dealers throughout the country.

YOU CAN BE SURE...IF IT'S

Westinghouse

AIR CONDITIONING DIVISION STAUNTON, VIRGINIA

J-605348

Circle No. 40 on Reader Service Card

quiet!

For insulation: Styrofoam brings best combination of properties

COMPARE STYROFOAM*	INSULATIONS			
	STYROFOAM	A	B	C
Low "K" factor	X		X	X
Superior Water Resistance	X	X		
High Compressive Strength	X	X		X
Light Weight	X		X	
Superior Resistance to rot and vermin	X	X		
Easy handling and fabrication	X			
Low-cost installation	X		X	
Lowest cost per year	X			

Permanent "K" factor average, 0.25. Avg. density, 1.8 lbs. per cu. ft. No odor. No food value. Pleasant to work with. Fabricates with common tools. Does not crumble or settle.

Cold storage plant's experience proves it!

Eleven years ago, Flint Cold Storage Co., a large Flint, Michigan, firm, used Styrofoam (a Dow plastic foam) to assure superior insulation in its original plant. Many additions have been made since then—including a very low temperature fruit freezing plant. And Styrofoam has been used in every case (see photo) for both equipment and building insulation.

Flint's Russell Soule writes, "We are heartily endorsing it to everyone for its low cost, high insulation efficiency, as well as its ease of installation." For complete information write THE DOW CHEMICAL COMPANY, Midland, Michigan—Plastics Sales Department PL1700A.

*Styrofoam is a registered trademark of The Dow Chemical Company

YOU CAN DEPEND ON DOW

Circle No. 41 on Reader Service Card

Calendar of Industry Events

April 5-7, 1957
Refrigeration Service Engineers Society (Educational Forum)
Sheraton-Palace Hotel
San Francisco, Calif.

April 29 - May 2, 1957
National Warm Air Heating & Air Conditioning Assn. (Committee Meetings and Technical Conference)
Hotel Cleveland
Cleveland, Ohio

May 3-7, 1957
Western Air Conditioning, Heating, Ventilating & Refrigeration Conference and Exhibit
Shrine Exposition Hall
Los Angeles, Calif.

May 6-8, 1957
Air-Conditioning and Refrigeration Institute (Annual Meeting)
The Homestead
Hot Springs, Va.

May 6-10, 1957
National Restaurant Assn. (Convention and Exposition)
Navy Pier
Chicago, Ill.

May 7-10, 1957
Heating, Piping, and Air Conditioning Contractors National Assn. (The Mechanical Contractors Association of America) (Annual Meeting)
Hotel Fontainebleau
Miami Beach, Fla.

June 2-5, 1957
The American Society of Refrigerating Engineers (Annual Meeting)
Hotel Fontainebleau
Miami Beach, Fla.

June 5-7, 1957
National Warm Air Heating & Air Conditioning Assn. (Summer Convention)
Fairmont Hotel
San Francisco, Calif.

June 24-26, 1957
American Society of Heating and Air-Conditioning Engineers, Inc. (Semi-Annual Meeting)
Manoir Richelieu
Murray Bay, P. Q., Canada

October 7-9, 1957
American Gas Assn. (Annual Convention)
Kiel Auditorium
St. Louis, Mo.

Acme FLOW-THERM®
with CERTIFIED DEPENDABILITY

Acme's new DD Series Flow-Therm Liquid Chillers combine the advantages of close-coupled direct drive between compressor and motor with new engineering features that make these units the most advanced large-tonnage packages on the market today. Completely enclosed, tamper-proofed control panel with pilot lights to warn of open limit switches . . . Pilot-operated regulator valves for smooth, accurate refrigerant control and increased capacity range at low superheats . . . these and many other features are worth your investigation.

TEST CERTIFIED

In addition to the normal factory tests for leaks and mechanical defects, all Acme packaged chillers are tested under full load conditions before leaving the factory. Every unit must perform satisfactorily at its nominal rating. Your guarantee of this tested operation is the new Acme Certificate of Performance, a "first" in the industry.

NINE MODELS – 20 THRU 125 TONS

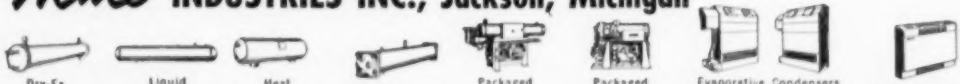
With Acme you get a more complete range of models, with capacities to fit exact job requirements. This is possible because the Flow-Therm's chief components, famous Dry-Ex Chiller and Shell-and-Tube Condenser, can be tailor-made to match compressor performance exactly — combine operating economy with maximum capacity.

Acme Certificate of Performance issued on all Flow-Therm and Flow-Cold packaged liquid chillers, 3 through 125 tons.

To Get Your Copy of Acme's data-packed Flow-Therm catalog, just send us this coupon attached to your letterhead

ACME AIR CONDITIONING REFRIGERATION

Acme INDUSTRIES INC., Jackson, Michigan



Manufacturers of Quality Air Conditioning and Refrigeration Equipment since 1919

Circle No. 43 on Reader Service Card

Are You Paying Premium Prices For Your Pipe Wrapping?

Compared With Thin, Non-Corrugated Wraps, NoDrip Tape Gives You Double Protection At Half The Cost!

THREE INSULATING BARRIERS in **NoDrip TAPE**

1. OUTSIDE
Rough surface prevents free circulation of moisture-filled air—creates dead air barrier.

2. ¼-INCH THICKNESS
Built-in moisture barrier assures utmost insulating efficiency.

3. INSIDE
Dead air is trapped between "corrugated strands", forms added insulation barrier.

NoDrip Tape means more profit and customer satisfaction on every job . . . saves you time, labor and material. NoDrip Tape eliminates most multiple wrappings needed with thinner wraps . . . inferior wraps.

Why pay more when you can buy the handy 16 foot roll of ¼" thick NoDrip Tape at less than the cost of a roll of ordinary ⅛" wrapping?

Next time an equipment cold line job calls for *permanent* protection against condensation drip, "sweating" or frost, insist on using NoDrip Tape. Stops rust and corrosion, too . . . holds temperatures more constant and increases the efficiency of the cooling equipment.

NoDrip Tape is pliable, cork-filled and completely self-adhering. Easy to work with . . . forms an air-tight, 100% vapor and moisture proof jacket. Needs no tools, vapor seals, fasteners, brads or adhesives.

NO DRIP PLASTIC COATING... PROTECTION FOR BIG AREAS

Easy to Apply...
EVEN AROUND JOINTS, TEES, VALVES OR ANGLES

For large pipes, tanks, air ducts, we recommend NoDrip Plastic Coating for permanent protection from condensation, rust and corrosion. Another fine Mortell refrigeration product, NoDrip can easily be applied by brush or trowel to metal, concrete, brick, plaster, tile or composition surfaces.

JW Mortell COMPANY
Makers of Mortite Caulking Cord and Mortite Caulking Gum

J. W. Mortell Company, Dept. 3
553 Burch St., Kankakee, Ill.

O.K.! Send me full information about the complete line of Mortell refrigeration products.

I'm a Jobber..... Dealer..... Serviceman.....

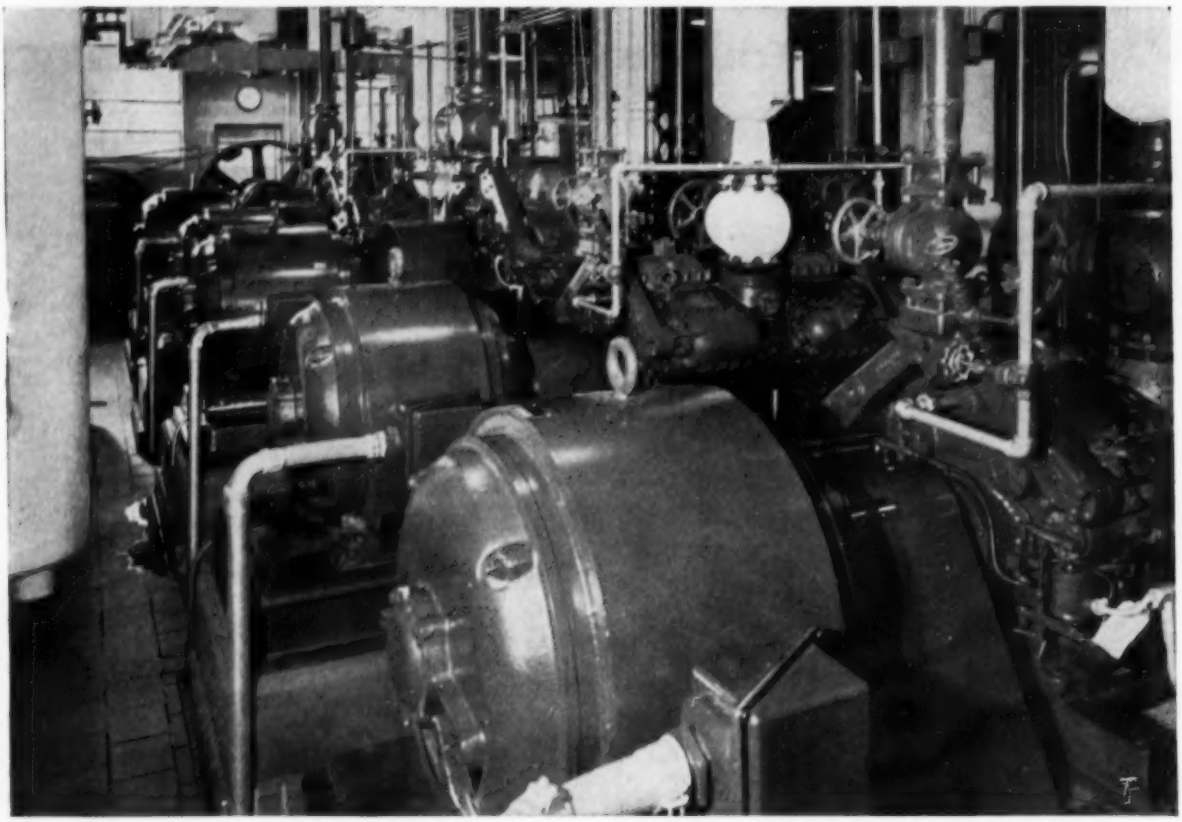
Name.....

Firm.....

Address.....

City..... State.....

Circle No. 44 on Reader Service Card



Solve big motor starting problems with Wagner Increment Motor-Starter Combinations!

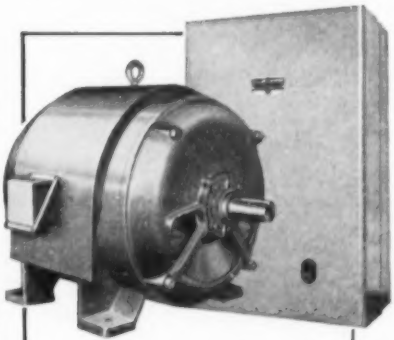
Eliminate "across the line" starts — cut voltage drop and line disturbance

This line of Wagner Increment Start Motors, ranging from 60 to 150 hp, and operating at speeds from 575 to 1160 rpm, drive compressors in a Memphis food processing plant. The motors start quickly and easily, with a minimum of line voltage disturbance, because they are designed for increment starting and are furnished with increment type starters.

Wagner Increment Motor-Starter Combinations provide *low cost control* . . . do not interrupt current between "start" and "run", as is the case with auto-transformer type starters . . . do not affect the running characteristics of the motors . . . yet fully meet the polyphase motor starting recommendations of the AEIC-EEI-NEMA.

Wagner two-step motor and starter combinations are suitable for most applications. For installations where unusually low inrush of starting current is required, Wagner can furnish 3, 4, 5, or 6 step increment motor-starter combinations.

Why don't you investigate the possibilities for savings by using Wagner Increment-start Motor Combinations on your big jobs? Your nearby Wagner engineer will help you select the increment motor and starter combination that meets your requirements. Call the nearest of our 32 branches or write for Bulletins MU-128 and MU-195.



Type RP polyphase motor — in ratings to 500 hp. with increment type starter.

Wagner Electric Corporation
SERVING INDUSTRY SINCE 1891

M57-9

BRANCHES AND DISTRIBUTORS IN ALL PRINCIPAL CITIES

Wagner Electric Corporation
6442 Plymouth Ave., St. Louis 14, Mo., U.S.A.

ELECTRIC MOTORS • TRANSFORMERS • INDUSTRIAL BRAKES • AUTOMOTIVE BRAKE SYSTEMS—AIR AND HYDRAULIC

Circle No. 45 on Reader Service Card

IT'S SCOTSMAN'S BIGGEST YEAR!

SIGN UP NOW AND GET YOUR SHARE OF ICE MACHINE PROFITS!

Sign Up With Scotsman! You'll share in BIG ice machine profits from the largest line of ice machines in the industry. There are more than 40 Super Cubers, Super Flakers, Super Bins and Drink Dispensers ready to make money for you!

Sell A New 1957 Line! Now Scotsman has even a better line — new improvements, new styling makes the 1957 Scotsman ice machines the finest ever put on the market. Sell the new Scotsman series and you'll sell the best machines that ever made ice!

Sell Every Prospect! Scotsman's complete line gives you the right machine for every prospect. Sell the small merchant . . . sell the medium sized ice user . . . sell the biggest firm in town! There's a Scotsman for every crushed and cube ice need!

Make Sales Faster With New Sales Aids! Hand your prospects the new 44-page Scotsman book "How To Use An Ice Machine" . . . show Scotsman machines *in action* with a new *animated* sales piece . . . influence chain buyers with a special deluxe brochure. PLUS new direct mail, publicity, advertising and sales aids. Here's the program to boost Scotsman sales sky-high!

DON'T DELAY MAIL TODAY!

SCOTSMAN

ICE MACHINES

YES! Send me complete information about a dealer franchise for Scotsman Ice Machines.

NAME_____

ADDRESS_____

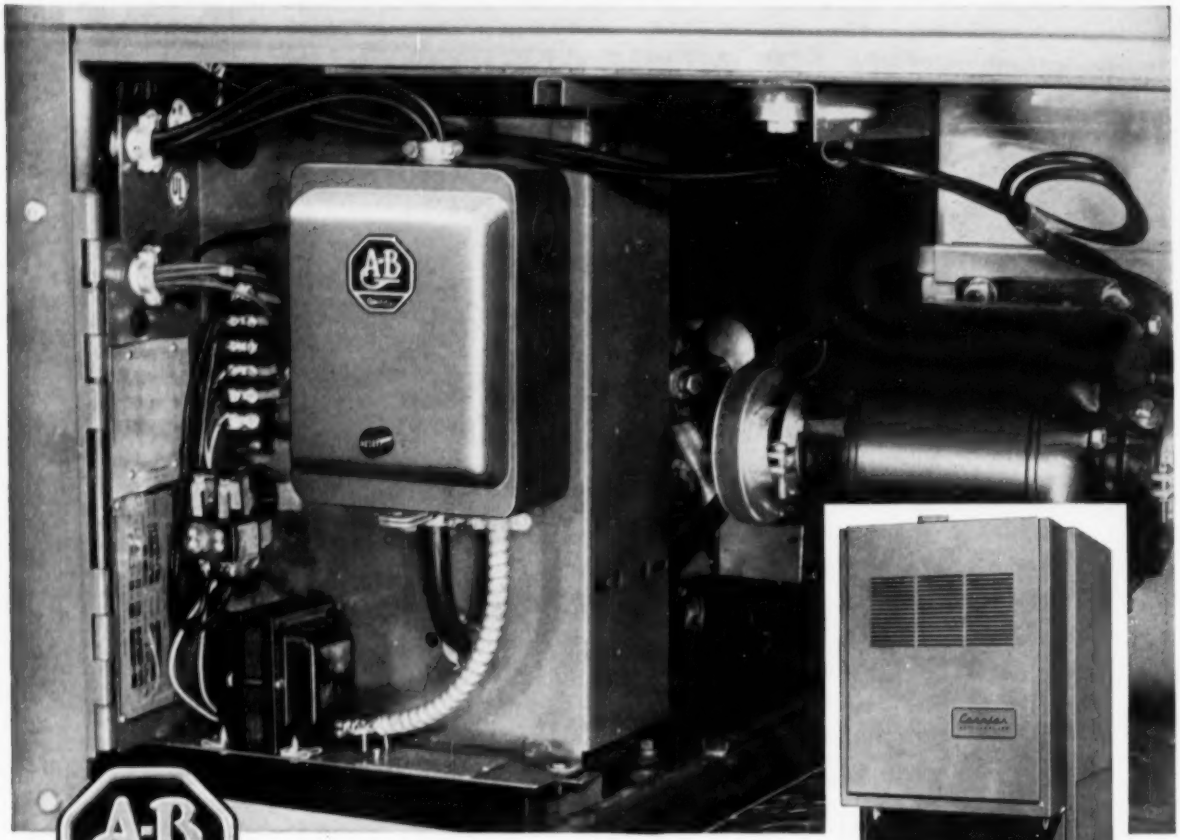
CITY_____ ZONE____ STATE_____

Mail to: American Gas Machine Co., Division of Queen Stove Works, Inc.
193 Front Street, Albert Lea, Minnesota

Circle No. 54 on Reader Service Card

Carrier *Weathermaker Air-Conditioning Units*

operated by **ALLEN-BRADLEY TROUBLE FREE MOTOR CONTROLS**



A-B Quality

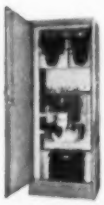
The Sign of Quality Motor Control

Carrier Weathermaker No. 38C air conditioner for residential use

Typical Allen-Bradley Quality Motor Controls

Bulletin 736 Part Winding Motor Starter

Bulletin 640 Manual Resistance Type Starter



Bulletin 746 Automatic Auto-transformer Type Starter

To obtain reliable service year after year, from an air-conditioning or refrigeration unit, it must be equipped with a starter built to "take it". . . and over the last 25 years Allen-Bradley Bulletin 709 solenoid starters have established their reputation for dependable operation.

This performance is due to the simplest starter mechanism yet conceived . . . the solenoid switch with only ONE moving part. No pins, pivots, or bearings to corrode and bind . . . no jumpers to break. The cadmium silver alloy contacts never require troublesome cleaning, filing, or dressing.

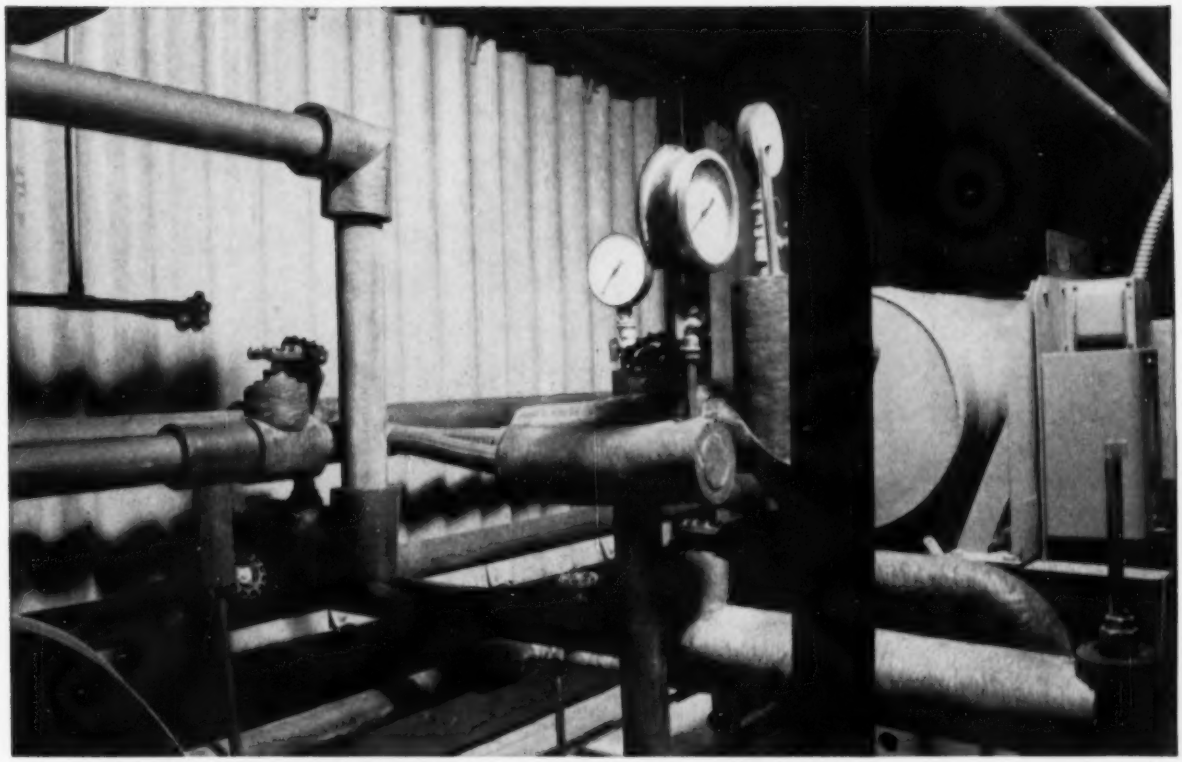
In addition, Allen-Bradley Quality Motor Controls have these "plus" values . . . overload relays that retain their accuracy irrespective of time or operating conditions . . . highly efficient magnetic circuits that hold through wide voltage fluctuations . . . white interiors that make for easier wiring in dark locations. Specify Allen-Bradley . . . for millions of trouble free operations.

Complete information on Allen-Bradley Quality controls is contained in the A-B Handy Catalog . . . an abbreviated encyclopedia on motor control. Write for your copy, today.

Allen-Bradley Co.
1340 S. Second St., Milwaukee 4, Wis.
In Canada—
Allen-Bradley Canada Ltd., Galt, Ont.

ALLEN-BRADLEY
SOLENOID MOTOR CONTROL
QUALITY

Circle No. 47 on Reader Service Card



Intricate piping in confined space can be insulated easily with Armstrong Armaflex. Extreme flexibility simplifies handling, reduces application time as much as 50% when compared with wrap-on type coverings.

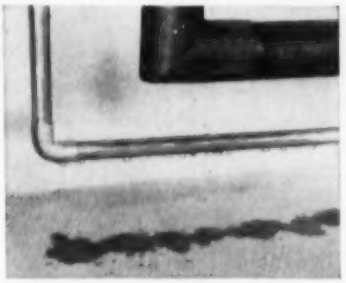
Stop condensation on fluid cooling lines with this new insulation

You can stop condensation on commercial and residential air-conditioning lines with Armstrong Armaflex®. This new, foamed plastic pipe insulation completely seals out moisture and air. No separate vapor barrier is needed. Armaflex remains dry in service, so its low K-factor of 0.28 at 75° F. stays low for the life of the installation. This insulation also will withstand 200° F. on hot lines or during the heating cycle on dual-temperature lines.

Armaflex is remarkably flexible, can actually be tied into knots. This great flexibility can speed installation. Slipped over pipes or copper tubing, Armaflex follows contours readily without any special cutting or fitting. If lines are already in operation, Armaflex is simply slit lengthwise, snapped in place, and quickly sealed with cement.

Armaflex is clean to work with—will not chip, crumble, or rub off. Waste is negligible. It will not support combustion, is safe to install before sweat fittings are made. Armaflex comes in 6′ lengths, for all sizes of pipes and tubing from ¼″ up to 3⅛″ o.d.

Send for free booklet giving full details on this amazing new insulation. Write Armstrong Cork Company, 3003 Rumford Avenue, Lancaster, Pa.



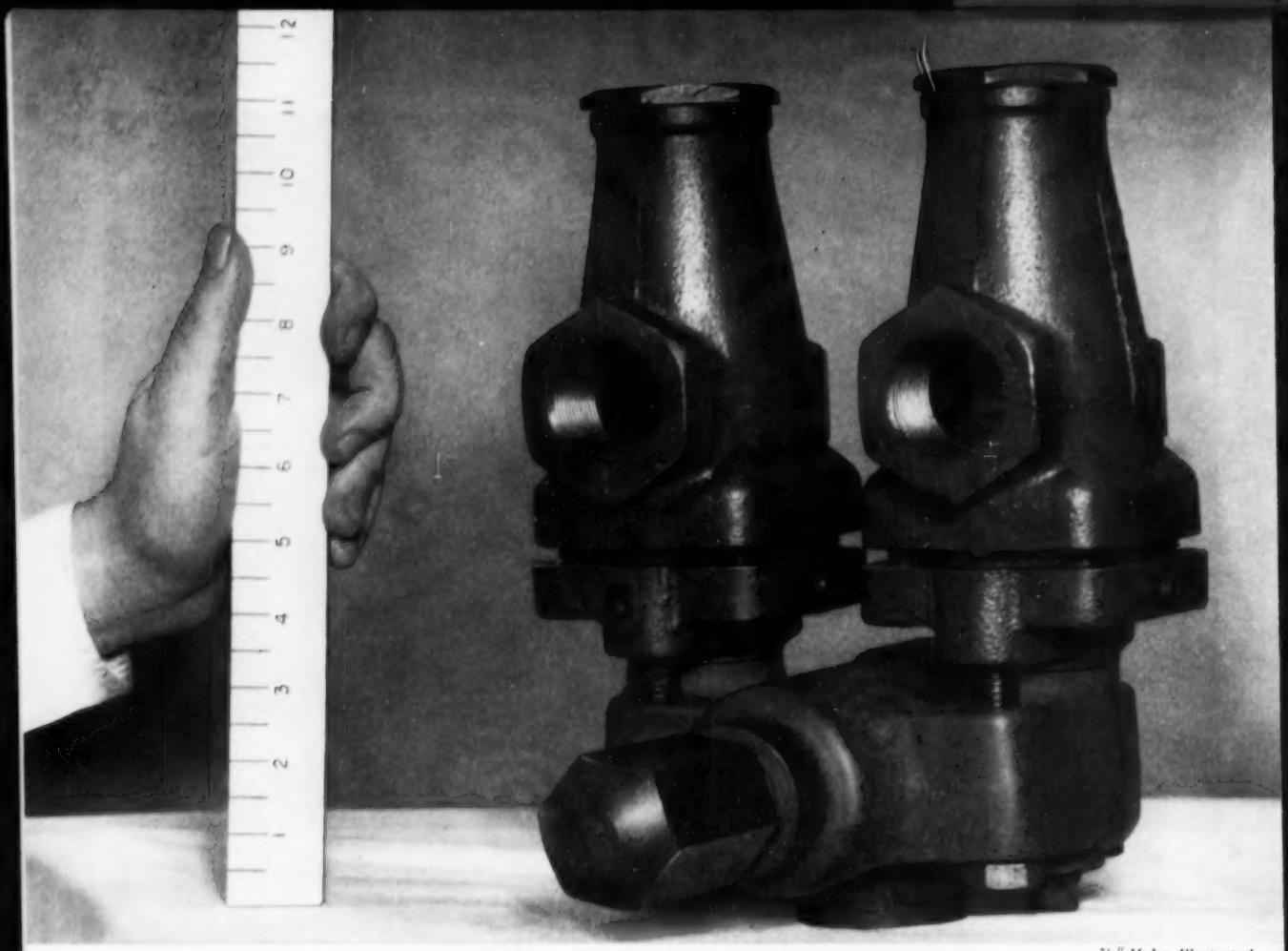
Prevents condensation when used within recommended temperatures and humidities. Cellular composition of Armstrong Armaflex seals out air and moisture, eliminates need for separate vapor barrier coating or finish.

Fast, easy fabrication of fitting covers is accomplished by miter-cutting pieces of Armaflex and cementing them together with Armstrong 520 Adhesive.

Armstrong

INDUSTRIAL INSULATIONS

Circle No. 48 on Reader Service Card



¾" Valve Illustrated

New, smaller YORK valves with 3 times capacity save you assembly labor, valuable headroom

A complete new line of York safety relief valves presents new ideas in valve design – a new principle of reaction for quicker opening and elimination of connecting nipples and flanges. As a result, these high-capacity valves are smaller than standard models, can be used to do the job formerly requiring a valve one or even two pipe sizes larger.

DESIGNED TO MEET ASME AND ASA B-9 standards York's new safety relief valves also have National Board Certification for capacity. They're available for use with ammonia, "Freon", "Genetron", and "Isotron" . . . either singly or in dual assemblies . . . with settings from 50 to 300 pounds.

NEW VALVES ARE SAFE, ACCURATE, and they relieve at set pressure. Superior design and use of special materials including stainless steel, cadmium plating, aluminum and modern synthetics for spring, valve button, and other moving parts prevents sticking from rust, corrosion and cold-welding. Thus they release virtually at pressure setting – well within pressure tolerances of code standards. In addition, the oval flange inlet permits bolting directly to the new smaller dual stop valve for added strength.

The full, new line of York valves is available right now from your York Wholesaler. Contact him or your nearest York Branch office (listed in the Yellow Pages of your telephone directory) today for Genuine York Accessories & Supplies.

York refrigeration air conditioning — *the quality name in refrigeration*

YORK B-W

HEADQUARTERS FOR MECHANICAL COOLING SINCE 1885

YORK CORPORATION

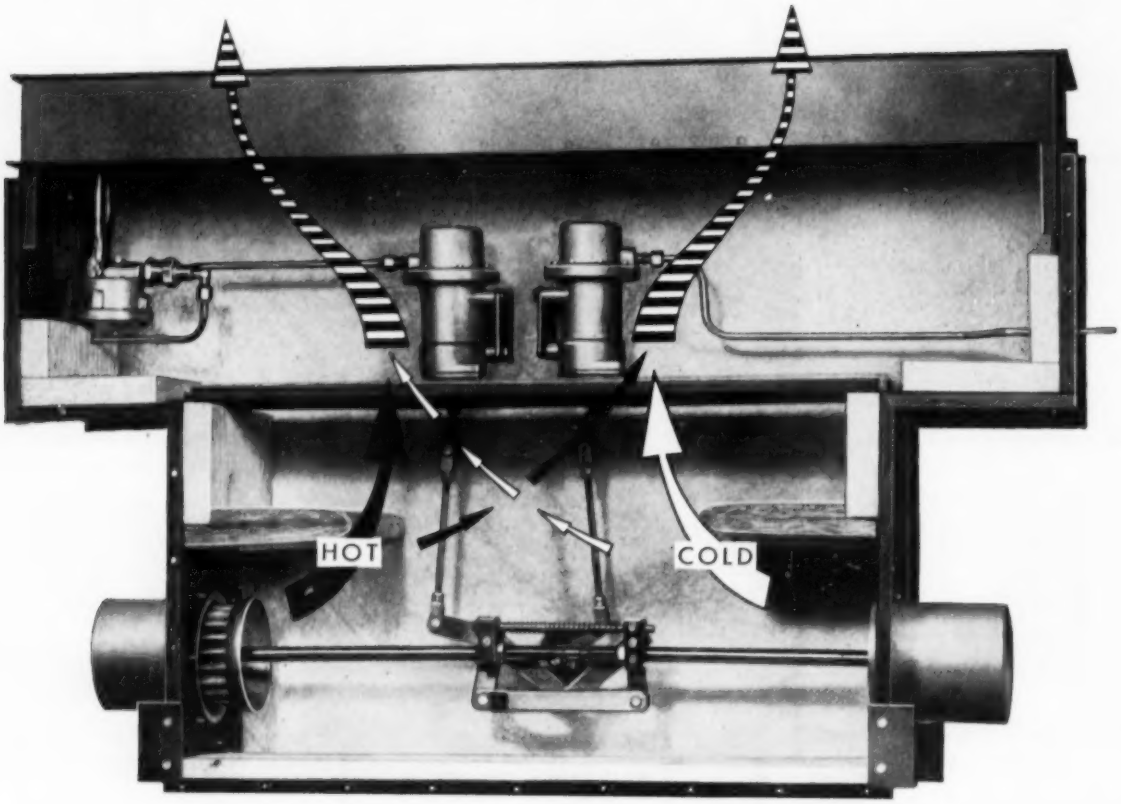
SUBSIDIARY OF BORG-WARNER CORPORATION

Circle No. 49 on Reader Service Card

How **ANEMOSTAT**®

All-Air Constant Volume

High Velocity units operate



Here is a vitally important advance in the field of air distribution. Anemostat All-Air High Velocity units, *with new simple automatic controls*, deliver constant volume, no matter what the fluctuations from 1:4 or 4:1 on inlet pressures of either the hot or cold valve

Each unit is a single package including the controls and integral thermostats, if required. There is complete accessibility of all controls through removable diffusers. No access panels are required. Capacities of CONSTANT VOLUME units can be pre-set at the factory.

These Anemostat CONSTANT VOLUME units

- Assure scientific draft-free distribution of air.
- Are available in 100% induction units.
- Include Anemostat die-cast metal rocket-socket valves. More than 50,000 of these valves are in service, and not a single one has needed maintenance.
- Operate on standard 15 lb positive acting compressed air systems.

Each unit contains a micropressure regulator in the box, sensitive to .02 static pressure. This in turn operates a pneumatic motor and independently maintains by adjustment constant volume, while the wall mounted or integral thermostat controls the outlet mixture temperatures.

Write on your business letterhead for your copy of

New Anemostat Selection Manual 60

to Anemostat Corporation of America, 10 East 39 Street, New York 16, N. Y.

ANEMOSTAT: The pioneer of All-Air Velocity Systems

Circle No. 51 on Reader Service Card

I've yet to see 1 panelboard that can do 3 jobs right —at the right price!

That's why Square D makes 3 ...and you can get ALL of them off-the-shelf from your Electrical Distributor

JOB #1

Primarily to provide **lighting** circuits with provision for incidental power circuits. (15 to 50 amperes; 1, 2 and 3 poles; 240 volts)

JOB #2

Primarily to provide **power** circuits with provision for incidental lighting circuits. (15 to 100 amperes; 1, 2, and 3 poles; 240 volts)

JOB #3

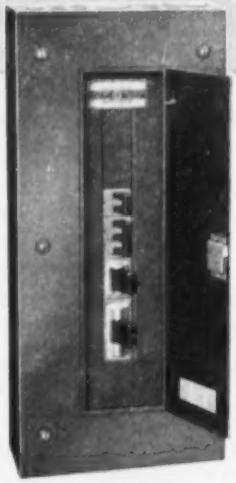
Exclusively to provide power and heavy branch feeders. (30 to 600 amperes; 2 and 3 poles; 250 and 600 volts)

NQO
LIGHTING PANELBOARD

New 3-Pole Breaker

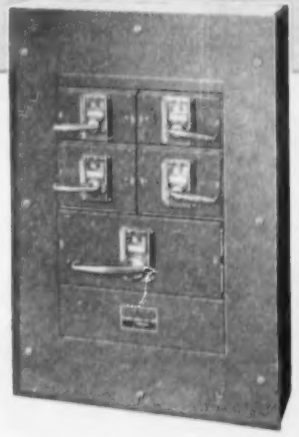
Sequence bussing plus new 3-pole breakers permit power circuits in addition to lighting circuits within bus capacity of 200 amperes maximum

MHP
POWER PANELBOARD



Bus capacity to 400 amperes for heavier power circuits, plus provision for *balanced* lighting circuits

QMB
POWER PANELBOARD



Quick-make, quick-break branches of heavy-duty construction to 600 amperes

With Square D's three U.L. approved lines, there's no need to over-buy or under-buy to get your job done. Write for the complete Panelboard story...
Address Square D Company, 6060 Rivard Street, Detroit 11, Michigan

NOW...EC&M PRODUCTS ARE A PART OF THE SQUARE D LINE

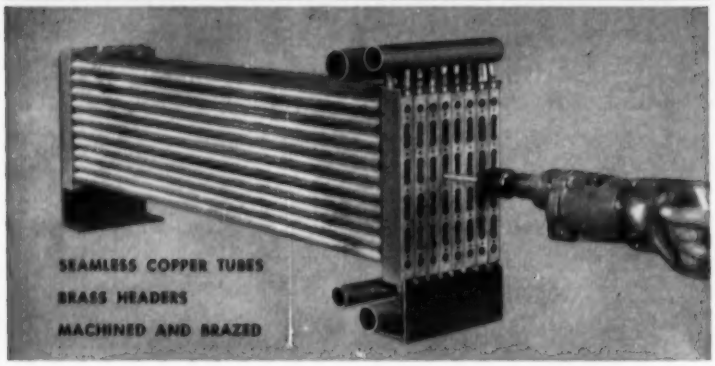
SQUARE D COMPANY

Circle No. 52 on Reader Service Card

WE KEEP WATER-IMPURITY WORRIES AWAY

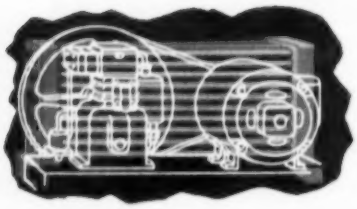
. . . because . . .

this Condenser is CLEANABLE



a cleanable clean condenser ⟶ always high heat-transfer capacity

We make CLEANABLE Condensers to leave you free from the worry that lime or other impurities are coating the inside of your condenser tubes . . . are cutting heat transfer capacity . . . are raising power bills.



Because CLEANABILITY avoids progressive fouling of water tubes, Halstead & Mitchell water-cooled condensers can be designed around the most efficient . . . and most economical . . . area of copper heat transfer surface. Thus your first bonus is in original investment—CLEANABILITY at no extra price.

No matter how severe water conditions may be, a simple mechanical cleaning tool puts a Halstead & Mitchell CLEANABLE Condenser back to operating with new-unit efficiency in a matter of minutes. Thus, your second bonus—long, low-cost, trouble-free life.

Most leading manufacturers have long recognized the need for, and economy of CLEANABILITY in all sizes. It will pay you to take no less!

WRITE FOR LITERATURE

HM

Halstead & Mitchell

BESSEMER BUILDING • PITTSBURGH 22, PA.

WORLD'S LARGEST MANUFACTURER OF DOUBLE-TUBE, COUNTER-FLOW, CLEANABLE CONDENSERS

1/3 thru 25 TONS

Circle No. 53 on Reader Service Card

Bill Aulsebrook, Manager Quality Control, addressing a production personnel group.

HARDEST MAN TO PLEASE IN EVANSVILLE, INDIANA!

Most quality-control managers are bugs on their subject . . . but our man (Bill Aulsebrook, by name) is a real bear. As part of a continuing educational program, Bill regularly schools all employees on his favorite subject. His latest talk is the best one on quality control we've ever heard. Following are excerpts:

"Building refrigeration compressors is a tough business. It calls for more know-how, more accuracy, more endurance, more skill than most outfits have.

"Compare our product with an automobile engine. You're pretty well satisfied if you drive your auto 50,000 miles before the engine really needs a major overhaul. At forty miles an hour that's 1,250 hours of operation.

"When one of our refrigeration compressors is installed, it runs twelve to sixteen hours a day, every day, every week, every month in the year. It gets 1,250 hours of operation in about three months! Yet it is expected to last *ten years*, and that's over 50,000 hours—the equivalent of running your car 2,000,000 miles!

"Now, there's another angle that makes this a tough business—that's the necessity angle. If your car battery quits, you can call a cab. If your lawn mower engine won't start, you borrow one from your neighbor. But, if you're running a supermarket and your freezer quits some Saturday night, you've lost several hundred dollars in melted food by Monday morning.

"That's why we must be so precise in producing our compressors. That's why we must hold such close tolerances. That's why it takes continuous checking with the best precision gauges. And, above all, that's why it takes people who are earnestly interested in doing a good job!"

Yes, Bill Aulsebrook is a mighty hard man to please, but we like him that way. It helps us assure you of built-in dependability with every Bendix-Westinghouse compressor. We want your business—a chance to tell our entire story and to submit quotations. Write us here at Evansville for complete information and a prompt visit from one of our regional managers. EVANSVILLE DIVISION, EVANSVILLE 11, INDIANA.

EVANSVILLE DIVISION of

Bendix-Westinghouse

Automotive Air Brake Company

Circle No. 46 on Reader Service Card

Circle No. 55 on Reader Service Card

Circle No. 56 on Reader Service Card

Sell them

TYPHOON ECONOMAIR

It's the biggest little air conditioner you can sell. Delivers more comfort per square foot... per dollar cost ...than any other unit around. You save many man-hours on installation because the Typhoon Economair is self-contained – you save costly service calls because Typhoon performance is trouble-free. Suddenly you have twice as many prospects for air conditioning – and **it's easy to sell 'em when you tell 'em** about these precision engineering and exclusive economy features:

- Bigger condensing surface – more cooling at less cost.
- Oversize coils wring out more moisture from the air.
- "Turbulator action" in condenser and cooling coil maintains top performance.
- Centrifugal blower reduces static resistance problems by protecting fan motor from overloads.
- Compact – less than 4′ x 3′ x 2′.

Get the lowdown on how easy it is to sell the Typhoon Economair – and the entire Typhoon line. It's especially easy now with Typhoon's A. B. C. credit plan for you to offer your customers. Write for full details.

TYPHOON AIR CONDITIONING COMPANY
505 Carroll Street
Brooklyn 15, New York

Division of HUPP Corporation

Circle No. 141 on Reader Service Card

for '57, specify air purification

with dacor

DISPOSABLE ACTIVATED CARBON ODOR REMOVER

To keep up with the air conditioning parade, you must offer more than just cooling. True air conditioning must also include air purification. Major lines, such as Amana and Philco, are offering activated charcoal air purification this year.

It's easy to make your window or package units into **complete** air conditioners, with DACOR. This revolutionary filter slips into the regular dust filter slot, and combs the air clean of impurities, stuffiness, tobacco smells and household odors.

DACOR is the result of 40 years' experience in activated charcoal air purification. It uses the same adsorption principle as the Barnebey-Cheney filters now in our atomic submarines. DACOR means profits and customer satisfaction for you. Write for samples and full sales information today.

BARNEBEY-CHENEY

BARNEBEY-CHENEY CO. CR
Columbus 19, Ohio

Please send sales information on DACOR to:

Name .....

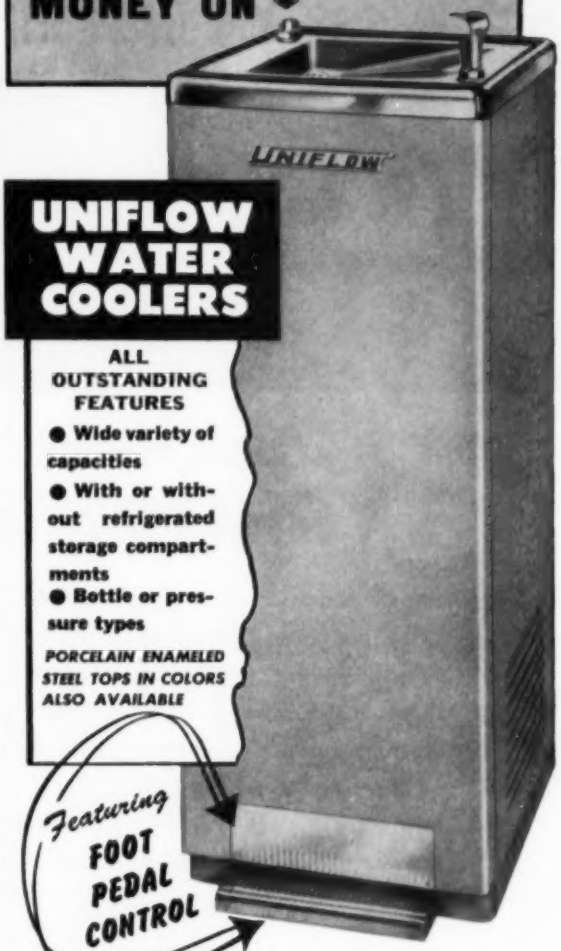
Address .....

City ..... State .....

☐ Dealer ☐ Contractor ☐ Equipment Manufacturer

Circle No. 57 on Reader Service Card

New WITH GLEAMING STAINLESS TOP . . . A WATER COOLER YOU CAN MAKE REAL MONEY ON



UNIFLOW WATER COOLERS

ALL OUTSTANDING FEATURES

- Wide variety of capacities
- With or without refrigerated storage compartments
- Bottle or pressure types

PORCELAIN ENAMELED STEEL TOPS IN COLORS ALSO AVAILABLE

Featuring FOOT PEDAL CONTROL

Write for our brochure with prices and complete information.

UNIFLOW MANUFACTURING CO.

1525 EAST LAKE ROAD
ERIE, PENNSYLVANIA

QUALITY REFRIGERATION PRODUCTS SINCE 1932

WE PUMP · WE SOFTEN · WE FILTER
WE COOL . WE FREEZE · We Know Water!

Circle No. 58 on Reader Service Card

KNOW YOUR BUSINESS!

Enroll now in American Blower's Training School on packaged air conditioners. Open to engineers, distributors, dealers, and servicemen

The big air-conditioning season is here *now*. Will *you* be able to make the most of *your* opportunities in this wide-open, booming market?

You can if you know your product inside out—are grounded in the basic principles. American Blower's school gives you the training you need—from skilled factory engineers, in fully equipped classrooms and laboratories.

APPLICATION COURSE. Shows you how to recommend and apply packaged units. You learn refrigeration, electrical systems, air-handling section; how to make a survey, select accessories, locate units, determine cost of installation, submit proposals, order and install units.

SERVICE COURSE. You actually perform all service procedures on units in a fully equipped laboratory; analyze service problems; review terms, laws of refrigeration, electricity, air handling; study function, construction, operation of components.

But you must act *now*, because classes are filling rapidly. Clip and mail registration application coupon—and get to know *your* business. American Blower Division of American-Standard, Detroit 32, Michigan.

REGISTRATION APPLICATION

American Blower Division of American-Standard
Commercial Air Conditioning Department
Detroit 32, Michigan

Yes! I would like to enroll in the ☐ Application Course ☐ Service Course.

Name _____

Firm _____

Address _____

City _____ Zone _____ State _____

American Blower Packaged Air Conditioner Training School courses are scheduled for the following dates. Application and Service sections follow in consecutive weeks, if you desire to attend both courses. Indicate first and second choice of dates by use of numbers 1 and 2 in boxes at left of course(s) desired.

- ☐ March 18-22.....Application Course
- ☐ March 25-29.....Service Course
- ☐ April 8-12.....Service Course
- ☐ April 15-19.....Service Course
- ☐ April 29-May 3.....Application Course
- ☐ May 6-10.....Service Course

No registration fee or advance deposit required.

AMERICAN BLOWER

Division of AMERICAN-Standard

Air-conditioning equipment for every business

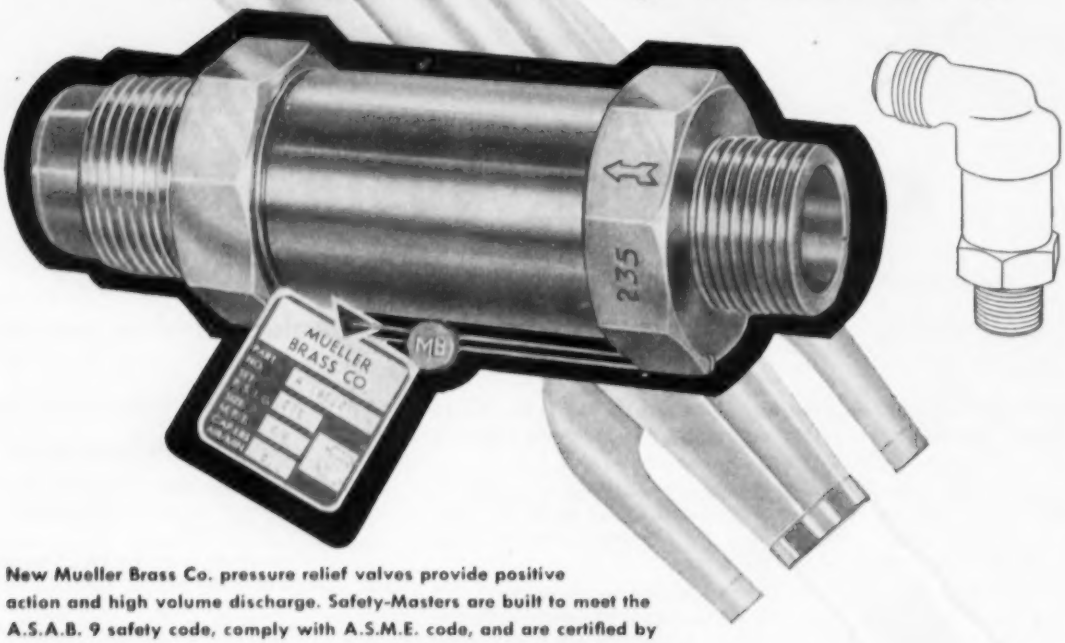
Circle No. 59 on Reader Service Card

Here it is! one of the new Mueller Brass Co. refrigeration products that are out of this world!

the new *Safety-master*

PRESSURE RELIEF VALVE

safety engineered for high volume discharge



New Mueller Brass Co. pressure relief valves provide positive action and high volume discharge. Safety-Masters are built to meet the A.S.A.B. 9 safety code, comply with A.S.M.E. code, and are certified by the National Board. Safety-Masters are available in pressure settings from 150 lbs. to 450 lbs. Settings are factory-accurate and are stamped on the body of the valve. All valves are safety sealed to guarantee maintenance of setting accuracy. In operation, the unique instant action of the valve seat disc relieves pressure without chatter or vibration, and provides complete and positive reseating. Safety-Masters are available in 12 different end connections in straight-through or angle type, and are all made from premium quality brass for superior strength. Every Mueller Brass Co. pressure relief valve is packed in strong metal edge cartons for complete protection until installation. Be sure to specify Safety-Master . . . another new Mueller Brass Co. product that is "out of this world" in design, engineering, and performance.

WRITE TODAY for new product data sheet No. 11

171

40

MUELLER BRASS CO. PORT HURON 14, MICHIGAN

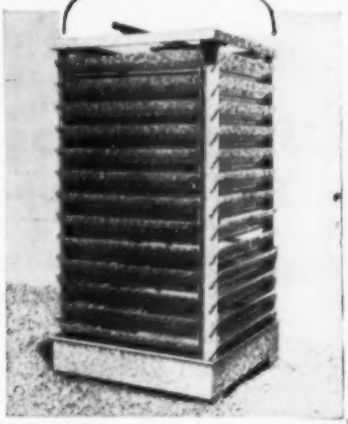
Circle No. 60 on Reader Service Card

CHECKMATE RUST
WITH *DOVER* COOLING TOWERS*

***HOT-DIP GALVANIZED AFTER FABRICATION**

THE fact that all Dover towers are hot-dip galvanized after fabrication was one big reason air conditioning contractors chose Dover towers for the new Mission, Kansas, shopping center. They also liked these other Dover features . . . all offered at no additional cost: 1) stainless steel

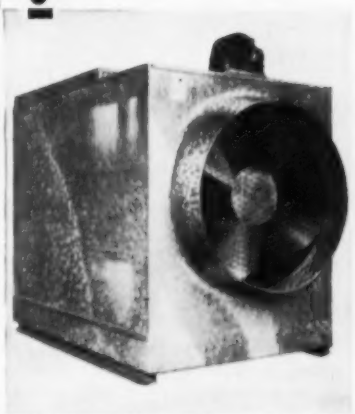
propeller fan and shaft for long life and trouble-free performance; 2) "take apart" design for easy installation in hard to reach spots; 3) "honeycomb" redwood fill construction prevents channeling of air through tower and loss of efficiency. Dover towers are truly America's New Standard in packaged cooling towers.



Series K — All-Steel
Series S — Steel and Redwood

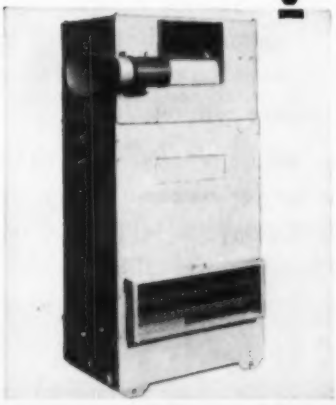
Natural Draft Towers

Available from 2 to 225 tons, they feature bolt-free construction. Series K is perfect for installation where fire codes demand all-steel construction. Series S, somewhat lower-priced, has redwood parts and louvers, and steel basins and crowns.



Series CF **Horizontal Induced Draft Tower**

. . . with propeller fan, from 2 to 100 tons capacity. Well suited for small air conditioning and refrigeration installations, or jacket water cooling. The Series CF is compact, rugged and handsome in design. Built for years of efficient operation.



Vertical Induced Draft Tower Series V

for installation where ductwork is a factor. Has a minimum of piping and is extra quiet in operation. Sizes 5 to 100 tons.

MAKE YOUR NEXT MOVE NOW!

Send today for Dover's catalog illustrating their complete line of packaged cooling towers. Dover checkmates rust and gives dependable, efficient service.

DOVER Mfg. Co.
Dept. 101, 3117 Weatherford Ave.
Independence, Missouri

☐ Please send me a free copy of the new Dover Catalog.
☐ Please send me the name of my nearest Dover Representative.

NAME_____

FIRM_____

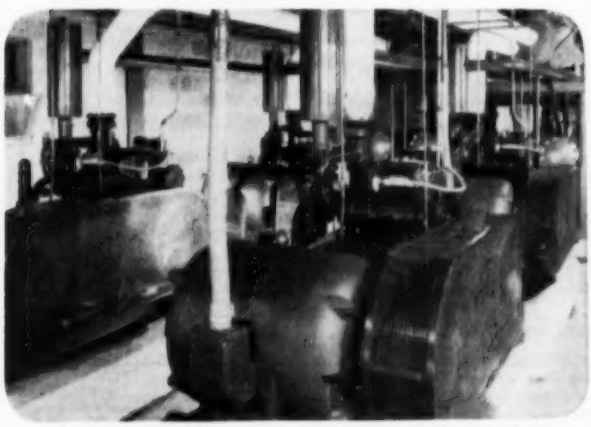
CITY_____

ZONE_____ STATE_____

Circle No. 61 on Reader Service Card

Hide-a-way air conditioner is mounted above hallway

Building housing refrigerating system has cooling tower, with fans, on roof



Frick "ECLIPSE" compressors cooling 256 Woodlane Apartments

256 Luxury Apartments near Dallas Equipped with

TRADE FRICK MARK

Air Conditioning

The Woodlane Apartments comprise 18 buildings, covering four city blocks. Built and operated by Corrigan Properties, Inc., they offer year-'round air conditioning, among other attractions; people wait for a chance to rent them.

Beatty Engineering Co., Frick Air Conditioning Contractors in Dallas, designed and installed the year-'round system. Four Frick "ECLIPSE" compressors furnish 400 tons of refrigeration. Both the owners and occupants are much pleased with results.

You, too, will be pleased with Frick equipment—whether for air conditioning, ice making, quick freezing or other refrigerating work. Get bulletins and estimates now: write

DEPENDABLE REFRIGERATION SINCE 1882

FRICK CO.

WAYNESBORO, PENNA., U. S. A.

Also Builders of Power Farming and Sawmill Machinery

Circle No. 62 on Reader Service Card

don't be saddled

by 'under-par' air conditioning . . .

®Janitrol

offers you a quality line designed to sell!

Want to eliminate expensive service call-backs and complaints? Want to keep profits from doing a disappearing act? Switch to Janitrol Summer Air Conditioning, the line that stands out for quality performance, easy installation and freedom from service headaches!

The complete Janitrol line will help you sell more jobs and increase your profits. Why? Because it gives you *exclusive* sales features that guarantee performance and long-life your competition can't touch. Every Janitrol installation promptly goes to work to help sell another!

There are "packaged" Janitrol water-cooled and waterless conditioners for every residential and light-commercial building and remodeling need. Models for use with existing warm air furnace or for independent operation. Combination cooling and heating units you can feature for year 'round comfort.

New!

YEAR 'ROUND SALES-MAKER! Janitrol

Win-Sum-matic

YEAR 'ROUND CONDITIONER

Combines clean, thrifty gas heating and powerful waterless cooling in a single "package" that fits in little as 4½ sq. feet of floor space. Easily installed in any home—upflow and downflow models. "ADD-ON" Cooling Option increases sales potential! Unit may be installed for heating only, with evaporator cabinet left empty for addition of cooling at buyer's option.

and Janitrol gives you plenty of merchandising and advertising support, including hard-hitting ads like these in leading consumer magazines, and those your builder-prospects read! Ask your Janitrol representative for the profit-making story on Janitrol's complete air conditioning line right away!

the best years of your business begin with...

®Janitrol

HEATING . . . COOLING

JANITROL HEATING & AIR CONDITIONING DIVISION
SURFACE COMBUSTION CORPORATION • COLUMBUS 16, OHIO
IN CANADA: MOFFATS, LTD., TORONTO 15

Complete line of gas and oil furnaces, unit heaters, conversion burners, water-cooled and air-cooled summer conditioners, combination heating-cooling conditioners.

Circle No. 63 on Reader Service Card

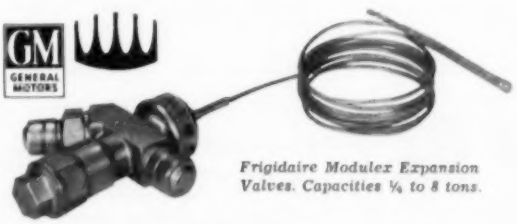
Use Frigidaire MODULEX VALVES

In selecting expansion valves, or any other type of parts, you're interested in only one kind of performance: the kind that shows up in neat black figures in *your* bank book.

Count on Frigidaire Modulex Valves for that kind of performance. Thousands do.

They help you create customer confidence and satisfaction through precise refrigeration control under all operating conditions. They save your time on every job, because they can be installed anywhere, in any position. Easily adjusted, too. And their outstanding reliability minimizes costly call-backs to protect your profits.

Use Frigidaire Modulex Valves exclusively. Order through your Frigidaire Distributor. Or write FRIGIDAIRE DIVISION, Dept. A, *General Motors Corporation*, Dayton 1, Ohio.



Frigidaire Modulex Expansion Valves. Capacities ¼ to 8 tons.

FRIGIDAIRE

PARTS AND ACCESSORIES

Circle No. 61 on Reader Service Card

Get Peak Filtering, Drying and Acid Removal at All Times...

with SPORLAN Catch-Alls

The FULL FLOW FILTER-DRIERS that are installed in the MAIN LIQUID LINE

Not in a By-Pass

Whether your job calls for sealed or replaceable core Catch-Alls... for refrigeration or for air conditioning installations all the way up to **100 TONS** Refrigerant 12, nothing matches the Peak Performance of the famous Sporlan molded porous Catch-All Cores.

They keep refrigeration and air conditioning systems so perfectly clean, perfectly dry and acid-free because... They cannot powder... they cannot pack

The refrigerant cannot by-pass or channel around them

They offer full flow capacity with negligible pressure drop through superior design

They are activated to a high degree of dryness, then sealed to insure Peak Performance when installed, so, for Peak Filtering, Drying and acid removal at all times... buy Sporlan Catch-Alls from your wholesaler today.

SPORLAN

SPORLAN VALVE COMPANY

7525 SUSSEX AVENUE ••• ST. LOUIS 17, MISSOURI

EXPORT DEPT. AD. AURIEMA, INC., 89 BROAD STREET • NEW YORK 4, N. Y.

Circle No. 65 on Reader Service Card

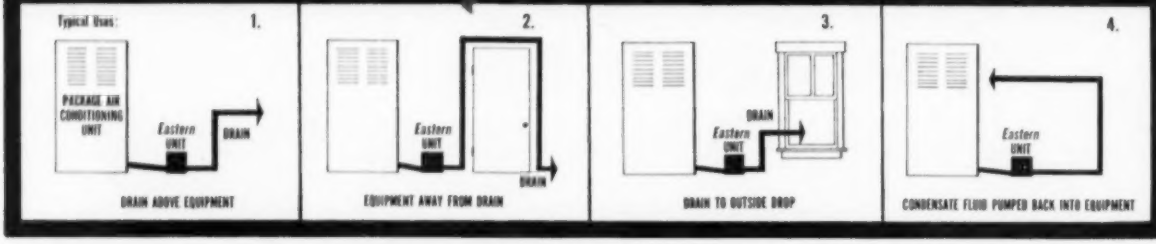
REMOVE CONDENSATE WATER

FROM AIR CONDITIONING SYSTEMS

A completely automatic, foolproof unit designed to remove hot or cold condensate fluids from the receiver tank and pump it to an outside drain. Simple to install with air conditioning equipment, it gives quiet and reliable performance.

Eastern Model 3, Type 100:
Tank capacity 0.8 gallon. Centrifugal pump delivery approximately 4½ GPM at 0 P.S.I. and shut off of 12½ P.S.I. Motor 1/40 H.P., 115 volt. Weight 23 pounds. Mercury control switch. Size 5⅛ inches wide, 10 inches long, 11¾ inches high.

EASTERN INDUSTRIES, INCORPORATED
100 SKIFF STREET, HAMDEN, CONN.



Will not damage protective coating in any way

Here's what you need for fast, easy, low-cost application of insulation to ducts, etc. *Gemco Metal* Insulation Hangers and Tuff-Bond General Purpose Adhesive for rough surfaces . . . *Tuff-Weld Nylon* Insulation Hangers and Quik-Set Adhesive for smooth surfaces. These hangers and adhesives provide ample strength to hold insulation in place securely. (Use *Gemco Self-Locking* Washers to lock insulation to hangers.) Investigate today!

GOODLOE E. MOORE, Incorporated, Danville 40, Illinois
or . . . W. D. Elmslie, Ltd., 4837 Lawrence Blvd., Montreal, Canada

Please send complete details and prices on *Gemco* and *Tuff-Weld Insulation Hangers.*

Name_____

Company_____

Address_____

City_____ State_____

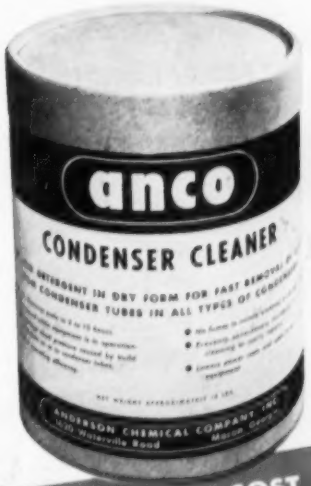
Circle No. 68 on Reader Service Card

Circle No. 67 on Reader Service Card

WHY PAY MORE

FOR CONDENSER CLEANER WHEN THE BEST COSTS 30% LESS?

ANCO CONDENSER CLEANER is second to none for effectiveness, speed and safety, yet it costs about 30% less than other leading brands. This exclusive formula is simply dissolved in the sump while the system is in operation. Within a few hours, the condenser tubes are free of scale and head pressure is down to normal. ANCO is safe for servicemen to use and absolutely harmless to equipment. So why pay more when you can't buy better? Buy ANCO CONDENSER CLEANER and make more profit on every cleaning job.



COMPARE THE COST
This 12-pound carton costs less than the 10-pound carton of other leading brands.

FREE!

WATER TREATMENT MANUAL

A complete booklet on the control of scale, rust and algae in refrigeration and air conditioning systems. No service department should be without a copy. It's yours for the asking.

Sold by wholesalers of air conditioning and refrigeration supplies

SPECIALISTS IN MAKING WATER BEHAVE

Anderson Chemical Company, INC.
Box 1424 • MACON, GEORGIA • Phone 5-0466

Circle No. 69 on Reader Service Card

For Heavy Loads of Short Duration

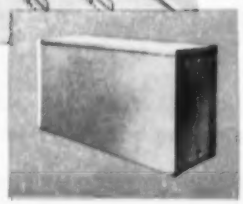
SPECIFY THE BEST

Many of America's finest churches depend on DOLE *Ice-Cels* to provide the ultimate in air conditioned comfort for their congregation. The compact design of the *Ice-Cel* Unit permits easy installation in the least amount of space. The initial investment is small and operating costs are low. *Ice-Cels* are applicable for churches, offices, stores, theatres, cafeterias, auditoriums, and mortuaries.

Ice-Cel Units

DEPENDABLE AIR CONDITIONING

Fourth Church of Christ Scientist
St. Louis, Missouri



Write for engineering data. No obligation.

DOLE REFRIGERATING COMPANY
5942 NORTH PULASKI ROAD, CHICAGO 30, ILLINOIS
103 PARK AVENUE, NEW YORK 17, N. Y.
In Canada: Dole Refrigerating Products Limited
44 Elgin Street, Brantford, Ontario
Circle No. 70 on Reader Service Card

WANTED!
MORE DEALERS
to Sell these Two Pinnacle CASES—

WALL TYPE BEVERAGE CASE

Every Store, Restaurant, Tap Room, Hotel, a Customer for you! This Beverage Case has all the features found in other top-quality cases plus . . . ***easier rolling doors*** — has stainless steel rollers; ***better insulated doors and jambs*** — practically eliminate condensation and chance of short circuiting; ***life-time finishes*** — rust-proof . . . stain-proof! Model WB526 (pictured here) is 6 ft. wide, 78" high and 30" deep. Available in 6, 8 and 10 foot models in either life-time porcelain or stainless steel.

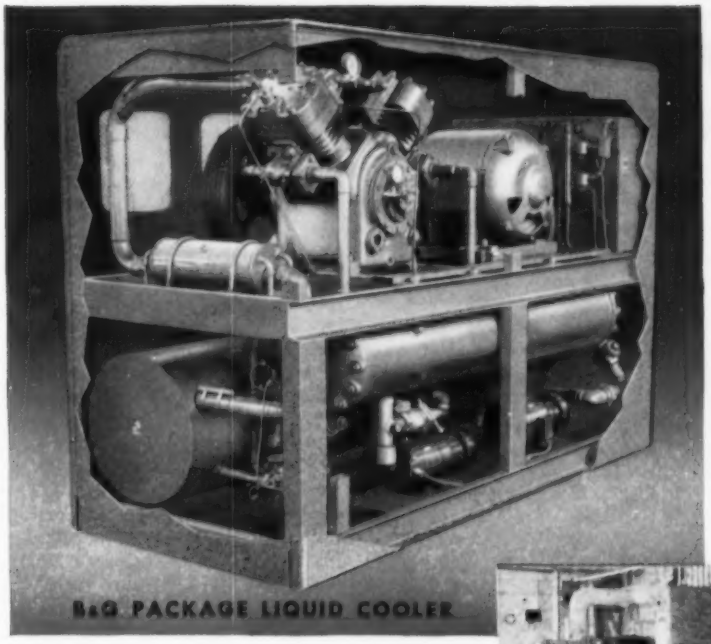
SINGLE DUTY SELF SERVICE CASE

Here is the most-wanted Fruit and Produce Self Service Case on the market, believe us! It has all the features grocers want: Large storage and display areas . . . Removable storage bins . . . Quality construction — gleaming white lifetime porcelain on exterior front, ends and wearing surfaces . . . Fluorescent lighting . . . low operating cost, etc. Then too, it goes through 36" doorway! Refrigeration in top deck at slightly higher cost. Comes in 6, 8, 10 and 12 foot lengths. Self-contained models also available.

A few Pinnacle Territory Franchises are still available. Wire or write today for full information and illustrated literature!

Pinnacle
EQUIPMENT CORPORATION
FLEETWOOD, PENNSYLVANIA
EXPORT DEPT.—39 Broadway, New York

Circle No. 71 on Reader Service Card



B&G PACKAGE LIQUID COOLER

CALL ON

B&G

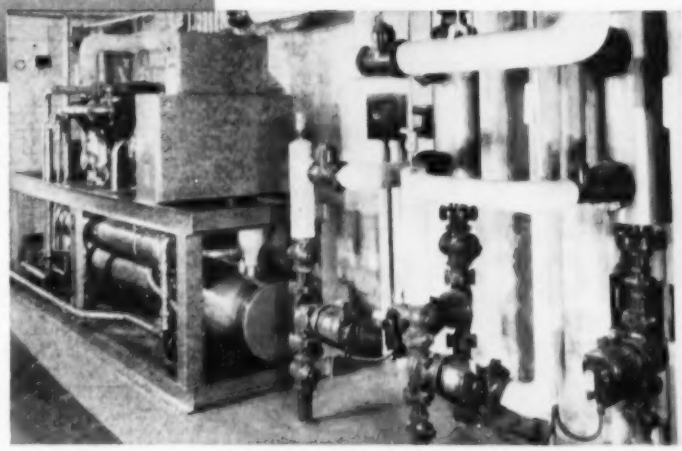
WHEN YOU NEED A

Package

LIQUID COOLER

OR *Component*

PARTS (MANY KEPT IN STOCK FOR FAST SERVICE)



B&G Package Liquid Cooler, Booster Pumps, Flo-Control Valves and other auxiliary equipment used in combination heating and cooling system.

Specifying "B&G" throughout for refrigeration and air conditioning installations assures you of two things. First, equipment which has demonstrated top quality performance for years. Second, a single manufacturer's responsibility for satisfactory operation.

When selecting pumps, B&G Series 1522 units invite your most critical comparison. Of vertical split-case design and equipped with the leak-proof "Remite" Mechanical Seal, its *silent* operation is amazing in a pump of this character. Other B&G centrifugal pumps offer similar features for completely satisfactory performance.

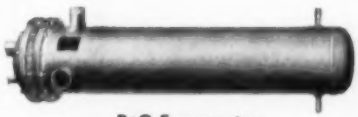
B&G Evaporators and Condensers all offer *plus* values in efficiency designing and rugged, long life construction. They are built to ASME Code requirements.

For a completely integrated and assembled water chiller the B&G Package Liquid Cooler offers many unusual features. Complete description and engineering data is given in new bulletin —send for your copy.

B&G Condenser

B&G Series 1522 Pump

B&G Liquid Receiver



B&G Evaporator

B&G Series 1531 Pump

B&G Heat Exchanger

BELL & GOSSETT

COMPANY

Dept. ES-45, Morton Grove, Illinois

Canadian Licensee: S. A. Armstrong Ltd., 1400 O'Connor Drive, Toronto 16, Ontario, Canada

Circle No. 72 on Reader Service Card

NEW *Styling–*
Improved PERFORMANCE

TYPES 200, 300, 500, 750

THE LEADER IN THE AIR-CONDITIONING FIELD
THE RELIABLE PEERLESS *Fluidyne*® PUMP

LOADED WITH FEATURES:

NEW CERAMIC SEAL—The latest improved seal with ceramic and plastic seal faces results in longer seal life.

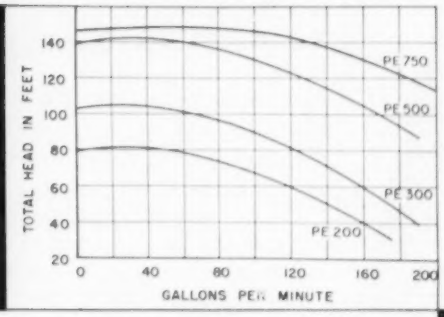
BRONZE WEAR RING—Prolongs efficient pump life. Prevents bronze impeller becoming locked with corrosion when system is shut down. Eliminates the need for breaking the impeller loose by hand when restoring the system.

CLOSE COUPLED—Short shaft results in quiet operation and longer seal life. Fits in smaller space.

IMPROVED PERFORMANCE – Capacities and heads have been improved for more efficient pumping and greater range. (Graphically portrayed at left).

NEMA TYPE MOTOR—Standard heavy duty, ball bearing motors with one piece stainless steel threaded shaft results in quiet, vibrationless operation.

Now Provides:
New–
PERFORMANCE
QUALITY
DEPENDABILITY
ECONOMY



PE 200 *2 hp*; PE 300 *3 hp*; PE 500 *5 hp*; PE 750 *7½ hp*.
Speed *3450 rpm*. Other sizes available ¼ to *40 hp*.

MAIL COUPON TODAY

PEERLESS PUMP DIVISION
FOOD MACHINERY AND CHEMICAL CORPORATION
2005 Northwestern Ave., Indianapolis 8, Ind.
OR 301 West Avenue 26, Los Angeles 31, California.

Please send Bulletin describing
Type PE-200, 300, 500, 750 pumps.

NAME_____

COMPANY_____

ADDRESS_____

CITY_____ STATE_____

CRAC

PEERLESS PUMP DIVISION
FOOD MACHINERY AND CHEMICAL CORPORATION

Factories: Los Angeles 31, California and Indianapolis 8, Indiana.

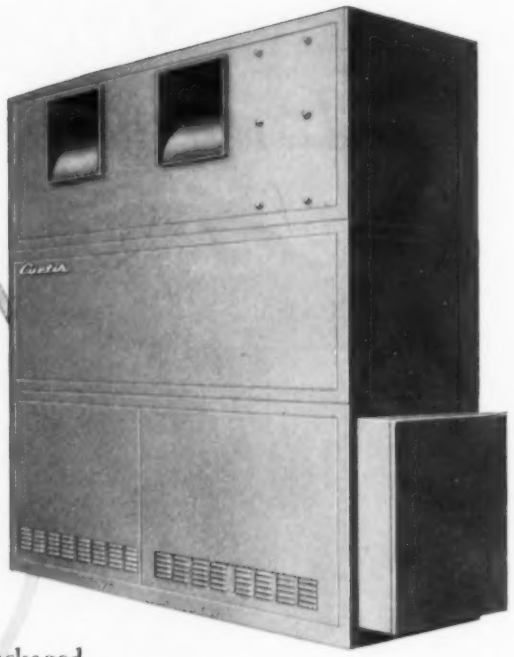
Offices: New York; Atlanta; Chicago; St. Louis; San Francisco; Indianapolis; Phoenix; Fresno; Los Angeles; Plainview and Lubbock, Texas; Albuquerque, New Mexico

Circle No. 75 on Reader Service Card

NOW!

Curtis

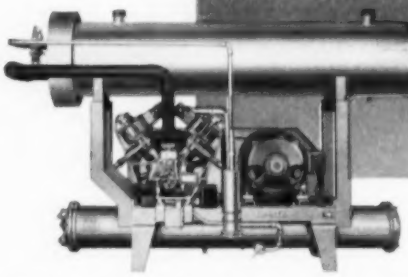
PACKAGED UNITS *Up to 50 Tons* OPENS NEW MARKETS FOR PACKAGED AIR CONDITIONING



No question about it. The new 50-ton Curtis packaged air conditioner will open a new sales front for you. Architects, engineers *and* owners prefer packaged units for important reasons:

- Big package units are line assembled—does away with expense of field labor. Assures a BALANCED SYSTEM.
- Packaged units are easier to install—take up less space.
- Cuts down installation problems and maintenance costs.

IMPROVED PACKAGED LIQUID CHILLER... FOR WET HEAT SYSTEMS



up to 100 tons—

With all controls in single panel box for easier access and greater protection! Four step capacity control—unloaded starting available. Particularly desirable where year 'round conditioning of multiple individual rooms is required.

REMEMBER, every Curtis unit is backed by a solid 103 years of experience and skill. Curtis offers a complete line of air conditioning equipment—nationally advertised to help you sell.

YOU CAN COUNT ON

REMEMBER... Curtis

OUR 103rd YEAR

MANUFACTURING COMPANY
REFRIGERATION DIVISION
1915 Kienlen Ave. St. Louis 20, Mo.
CM-16

New Curtis Packaged, Air Cooled, Air Conditioning Units, 3 thru 7½ tons. Residential and Commercial applications.

Condensing Units up to 100 tons. F-12 or F-22.

Air Handling Units, Cooling Towers and Evaporative Condensers to match.

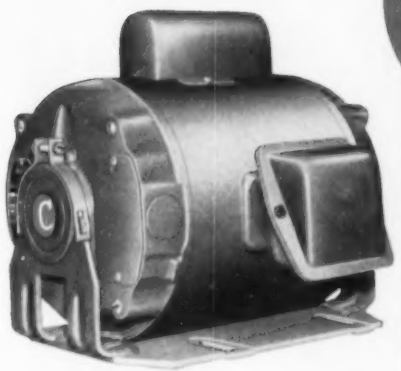
Circle No. 76 on Reader Service Card

Your choice of normal or low starting current...

with Performance-Rated

Century

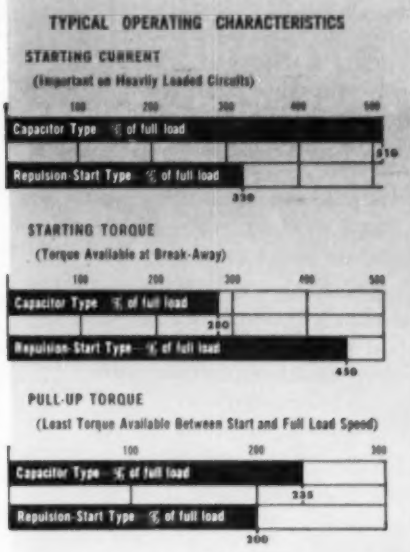
HIGH TORQUE, SINGLE-PHASE MOTORS



Capacitor Motors . . . ⅛ to 20 H.P. provide high starting torque, high pull-up torque and require normal starting current. They are available in drip proof, dust proof and explosion proof enclosures.

Even if you have severe starting current limitations, you can select the torque you need for sure starts and smooth pull-up to speed from the Century Performance-Rated Single-Phase line (see bar chart below for operating characteristics of two types of Century Single-Phase Motors).

Whatever Your Motor Job . . . there's a Century Motor Performance-Rated to handle it with top effectiveness. Contact your nearby Century branch office or Authorized Distributor.



Repulsion Start, Induction Motors (type RS) . . . ½ to 7½ H.P. provide very high starting torque, yet require unusually low starting current. They are available in drip proof and splash proof enclosures.

Performance-Rated® Motors ⅛ to 400 H.P.

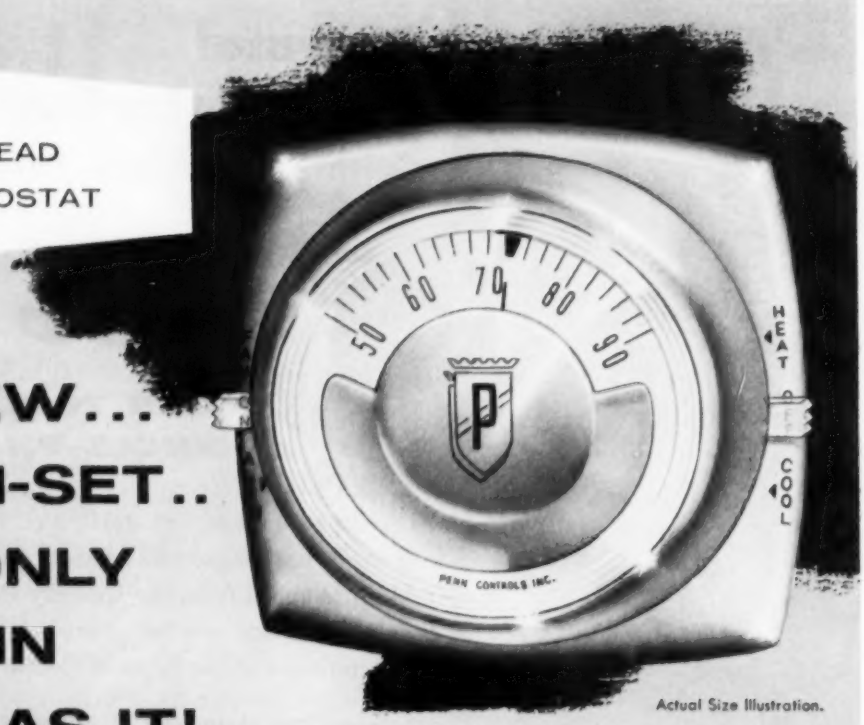
CENTURY ELECTRIC COMPANY

CE-32

1806 Pine Street, St. Louis 3, Missouri • Offices and Stock Points in Principal Cities

Circle No. 77 on Reader Service Card

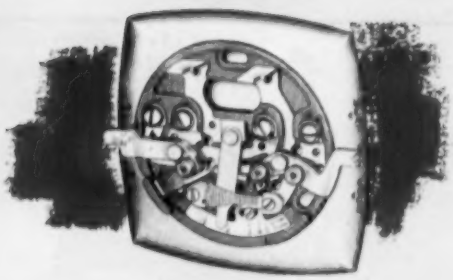
TODAY'S
EASIEST-TO-READ
ROOM THERMOSTAT



Actual Size Illustration.

IT'S NEW... IT'S RIM-SET.. AND ONLY PENN HAS IT!

. . . you get more selling features
. . . easier installation
. . . and reduced inventory



Installation is simpler. The adjustable heat anticipator and all wiring is on sub-base where large terminals are easily accessible. Then, the thermostat is simply plugged into the sub-base. Accurate operation is assured even if sub-base is not installed in a level position. Temperature is held within one degree.

Now . . . the newest, most beautiful look in room thermostats without sacrificing snap-acting contact action . . . the action that is proven to be the very best for sturdiness and long-life dependability. This thermostat has the largest, most easily read dial you've ever seen. And, the scale remains stationary as you dial the rim to set the temperature you want.

Various sub-bases are available for heating alone . . . for cooling only . . . or for combination heating-cooling systems. And, the *same thermostat* can be used with *any* sub-base. Thus, inventory is reduced . . . just stock variables of the sub-base.

Once you see this new, different, better thermostat, you'll want to specify and install it in your heating and cooling jobs.

PENN CONTROLS, INC. Goshen, Indiana

EXPORT DIVISION: 27 E. 38th ST., NEW YORK, N.Y.

AUTOMATIC CONTROLS FOR HEATING, REFRIGERATION, AIR CONDITIONING, GAS APPLIANCES, PUMPS, AIR COMPRESSORS, ENGINES

Circle No. 78 on Reader Service Card

BTU'S
TRENDS · OPINIONS · REPORTS

AMBITIOUS SALES VENTURE is being launched by a Kansas City department store, Jones, as it has been franchised as a retail outlet for the low-cost complete air conditioning system of Airtemp Div. of Chrysler Corp. Major department stores of the country have been in the business of selling only room or window air conditioners for several years, and with a considerable degree of success. The larger cooling equipment includes a 2-hp, packaged, air-cooled air conditioner, air ducts, registers, and thermostat.

AUTOMOBILE AIR CONDITIONING sales will reach a record high of 2,000,000 units in 1962, according to a market research study by O. A. Sutton Corp. Studies reveal that in 1953, there were 40,000 auto conditioners sold. In 1956, there were approximately 280,000 units sold. Studies correlated with those made by the automotive industry indicate a growth pattern to 450,000 in 1957, 900,000 in 1959. The 2,000,000 sales seen for 1962 will represent about a 25% saturation on new cars. Figures include both factory and field added units. More than half of the units are installed at the factory, but still left is a huge market for an aggressive manufacturer to sell add-on units.

GREATER ACCEPTANCE and use of complete air-cooled condensing units for residential application is seen by Maurice T. Firestone, eastern regional manager of Typhoon Air Conditioning Co., Div. of Hupp Corp. Firestone feels that home refrigerators have led the way to air-cooled units up to 10-ton capacity, with single or dual compressors, and adds that larger sizes are in the works, limited only by physical dimensions. Increased use of these units will become more necessary as restrictions on use and disposal of water become more rigid, he said. He predicts that ways will be found to cope with water restrictions.

A RESEARCH PROGRAM aimed at helping to provide consumers with the best possible frozen and cold storage products has been urged by the U. S. Department of Agriculture's refrigerated and Frozen Products Research Advisory committee. Environmental requirements are being examined with emphasis on time-temperature tolerance studies of frozen food, including vegetables, fruit, eggs, poultry, and animal products. Plans are to expand research on effects of fluctuating temperatures on fresh fruits and vegetables, and frozen bakery products.

A MAJOR CONSUMER of fruits and nuts is America's frozen dessert industry, according to a survey by the U. S. Department of Agriculture's Agricultural Marketing Service. Based on 1953 consumption figures, some 112 million lbs. of fruits and berries in all forms were used that year by the frozen dessert industry in the wholesale manufacture of ice cream and related products. An estimated 27 million lbs. of tree nuts and peanuts also were used by the frozen dessert industry during 1953.

HOME COOLING REACHED MATURITY in 1956, says Richard M. Locke, air conditioning manager for Minneapolis-Honeywell Regulator Co. Dollar-wise, the year was the largest in the history of residential air conditioning, topping $1½ billion as compared to less than 85 million 10 years ago, according to Locke. Pointing out that equipment reached satisfactory standards of performance, and installation and service techniques were improved greatly, Locke sees little likelihood any major changes in residential cooling will take place in the next few years.

"CALGON® SCALE REMOVER is efficient and economical . . . I recommend its use"

James Douglas, Service Manager, A. S. Johnson Company, Washington 1, D.C.

Mr. Douglas of the A. S. Johnson Company has been using Calgon Scale Remover for the last two years in the cleaning of cooling tower systems of air conditioning equipment. Mr. Douglas says, "In all sincerity, I can say that we have found this product to be efficient and economical . . . and I feel justified in recommending the use of Calgon Scale Remover."

Mr. Douglas has also used Micromet® Plates for scale prevention and corrosion control. He has found that the use of Micromet Plates greatly reduces service problems. A. S. Johnson Company is one of a great many air conditioning and refrigeration service organizations who depend on Calgon's Big 3 to keep equipment efficiencies high and maintenance costs low.

Calgon Scale Remover makes it easy to clean up a system completely. Corrosion inhibitor protects system while in use. Special built-in pH color indicator shows how much of scale remover to use, and helps tell when system is clean.

Micromet Plates provide continuous treatment to inhibit further scale formation. A single charge will last about six months, and the inexpensive feeding bag is easily installed. You merely hang the bags in the water spray.

Calgon Algaecide controls algae and slime growths. It comes in pellet form for convenience in handling. Positive action kills the growth. Periodic addition keeps equipment operating efficiently.

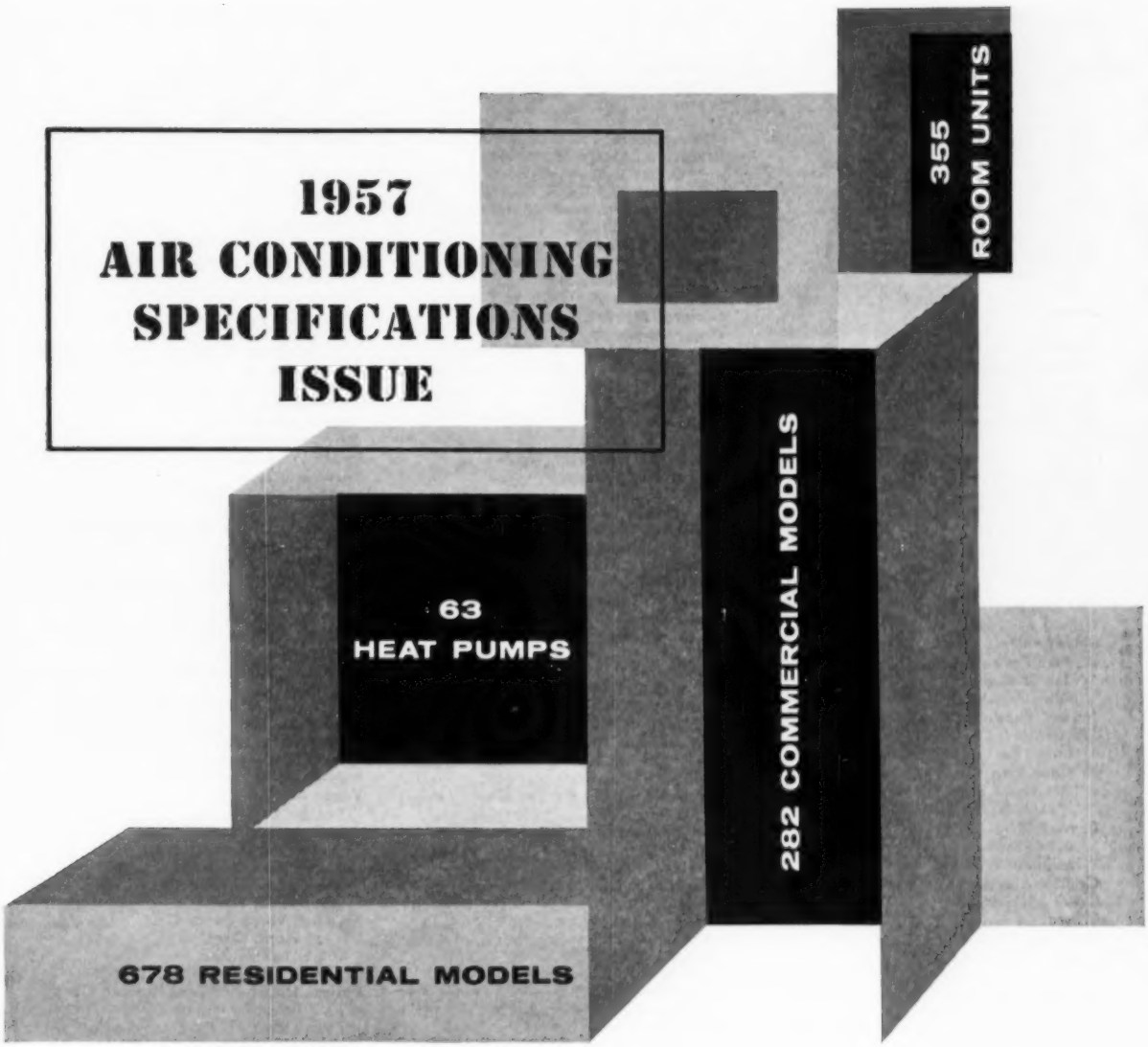
SEE YOUR
REFRIGERATION WHOLESALER
FOR CALGON'S BIG THREE!

CALGON COMPANY

A DIVISION OF **HAGAN** CHEMICALS & CONTROLS, INC.
HAGAN BUILDING, PITTSBURGH 30, PENNSYLVANIA
DIVISIONS: CALGON COMPANY, HALL LABORATORIES

Circle No. 79 on Reader Service Card

1957 AIR CONDITIONING SPECIFICATIONS ISSUE



Acme Industries, Inc.
600 N. Mechanic St.
Jackson, Mich.

Admiral Corp.
3800 W. Cortland St.
Chicago 47, Ill.

Air Products Mfg. Co.
2718 Gravois Ave.
St. Louis, Mo.

Airtemp Div., Chrysler Corp.
1610 Webster Ave.
Dayton 1, Ohio

Alco Refrigeration Sales & Service, Inc.
3952 St. Clair Ave.
Cleveland 14, Ohio

Alton Mfg. Co.
1112 Ross Ave.
Dallas, Tex.

Amana Refrigeration, Inc.
Amana, Iowa

American Blower, Div. of American Standard
8111 Tireman
Detroit 32, Mich.

American-Standard Air Conditioning Div.
40 W. 40th St.
New York, N. Y.

Armstrong Furnace Co.
851 W. Third Ave.
Columbus, Ohio

Bal-Air, Inc.
1210 McGavock
Nashville 12, Tenn.

August Barkow Mfg. Co.
2230 S. 43rd St.
Milwaukee, Wis.

Bonair Products, Inc.
Fifth St. & Ellis Ave.
Darby, Pa.

Brunner Mfg. Co.
1821 Broad St.
Utica 1, N. Y.

Bryant Mfg. Co.
2020 Montcalm St.
Indianapolis 7, Ind.

Carrier Corp.
300 S. Geddes St.
Syracuse 1, N. Y.

Century Engineering Corp.
401 Third St., S.E.
Cedar Rapids, Iowa

Coleman Co., Inc.
250 W. St. Francis
Wichita, Kans.

Columbia Specialty Co., Inc.
4925 Bradley Blvd.
Chevy Chase 15, Md.

Cool-Ette, Inc.
20080 James Couzens Hwy.
Detroit 35, Mich.

Crane Co.
836 S. Michigan Ave.
Chicago 5, Ill.

Curtis Mfg. Co.
1912 Kienlen St.
St. Louis 20, Mo.

Day & Night Mfg. Co.
700 Royal Oaks Dr.
Monrovia, Calif.

Dowagiac Steel Furnace Co.
Dowagiac, Mich.

Drayer-Hanson, Div. of National-U.S. Radiator Corp.
3301 Medford St.
Los Angeles 63, Calif.

Emerson Electric Mfg. Co.
8100 W. Florissant Ave.
St. Louis 21, Mo.

Emerson Quiet-Kool Corp.
46 Oliver St.
Newark 5, N. J.

Eureka Williams Corp.
1201 E. Bell St.
Bloomington, Ill.

Farquhar Furnace Co.
230 Owens Ave.
Wilmington, Ohio

Fedders-Quigan Corp.
5801 Grand Ave.
Maspeth, L.I., N. Y.

Frick Co.
Waynesboro, Pa.

Friedrich Refrigerators, Inc.
P. O. Box 1540
San Antonio 3, Tex.

Frigidaire Div., General Motors Corp.
300 Taylor St.
Dayton 1, Ohio

General Air Conditioning Corp.
4542 E. Dunham St.
Los Angeles 23, Calif.

General Electric Co., Major Appliance Div.
P. O. Box 503
Louisville 1, Ky.

General Electric Co., Air Conditioning Div.
5 Lawrence St.
Bloomfield, N. J.

Gibson Refrigerator Co., Div. of Hupp Corp.
515 Williams St.
Greenville, Mich.

Great Northern Mfg. Corp.
1056 N. Wood St.
Chicago 22, Ill.

Heil Co.
3000 W. Montana St.
Milwaukee 1, Wis.

Hess Co.
1855 S. 54th Ave.
Chicago 50, Ill.

Hotpoint Co.
5600 W. Taylor St.
Chicago 44, Ill.

International Heater Co.
101 Park Ave.
Utica, N. Y.

International Oil Burner Co.
3800 Park
St. Louis, Mo.

Iron Fireman Mfg. Co.
3170 W. 106th St.
Cleveland, Ohio

Janitrol Div., Surface Combustion Corp.
400 Dublin St.
Columbus, Ohio

Kauffman Air Conditioning Co.
4505 Olive St.
St. Louis 8, Mo.

Kelvinator Div., American Motors Corp.
14250 Plymouth Rd.
Detroit 32, Mich.

King Refrigerator Corp.
7602 Woodhaven Blvd.
Glendale, L.I., N. Y.

Lennox Industries, Inc.
200 S. 12th Ave.
Marshalltown, Iowa

W. W. McMillan Co.
1501 Miami Rd.
Jacksonville 7, Fla.

Melchoir, Armstrong, Dessau Co.
730 Grand Ave.
Ridgefield, N. J.

Mitchell Mfg. Co.
2525 N. Clybourn Ave.
Chicago 11, Ill.

Modine Mfg. Co.
1584 DeKoven Ave.
Racine, Wis.

Mueller Climatrol, Div. Worthington Corp.
2053 W. Oklahoma Ave.
Milwaukee 14, Wis.

Muncie Gear Works
700 E. Wyson
Muncie, Ind.

National Steel Construction Co.
301 Water St.
Logansport, Ind.

National-U.S. Radiator Corp.
221 Central Ave.
Johnstown, Pa.

Niagara Furnace Div., Forest City Foundries Co.
2500 W. 27th St.
Cleveland, Ohio

Peerless Co.
1953 Ludlow Ave.
Indianapolis, Ind.

Penguin Corp.
4125 E. 11th Ave.
Hialeah, Fla.

Perfection Industries, Div. of Hupp Corp.
1135 Ivanhoe Rd.
Cleveland, Ohio

Philco Corp.
Tioga & C Sts.
Philadelphia 34, Pa.

Recold Corp.
7250 Slauson Ave.
Los Angeles 22, Calif.

Remington Corp., Air Conditioning Div.
131 Willey St.
Auburn, N. Y.

Round Oak Co., Inc.
Dowagiac, Mich.

Servel, Inc., Air Conditioning Div.
119 Morton Ave.
Evansville 20, Ind.

A. O. Smith Corp., Permaglas Div.
Kankakee, Ill.

O. A. Sutton Corp.
1812 W. Second
Wichita 1, Kans.

Thatcher Furnace Co.
Center St.
Garwood, N. J.

Therm-Air Mfg Co., Refrigeration Div.
1000 N. Division St.
Peekskill, N. Y.

Trane Co.
2nd & Cameron Ave.
LaCrosse, Wis.

Typhoon Air Conditioning Co., Div. of Hupp Corp.
505 Carroll St.
Brooklyn 15, N. Y.

Typhoon Heat Pump Co., Div. of Hupp Corp.
106 E. Buffalo Ave.
Tampa 3, Fla.

United States Air Conditioning Corp
7900 Tabor Rd.
Philadelphia 11, Pa.

Viking Mfg. Corp.
1747 Chester Ave.
Cleveland, Ohio

Welbilt Corp.
57-18 Flushing Ave.
Maspeth, L. I., N. Y.

Western Auto Supply Co.
2107 Grand
Kansas City, Mo.

Westinghouse Electric Corp., Appliance Div.
246 E. 4th St.
Mansfield, Ohio

Westinghouse Electric Corp., Air Conditioning Div.
P. O. Box 510
Staunton, Va.

Whirlpool-Seeger Corp.
St. Joseph, Mich.

Williamson Co.
3500 Madison Rd.
Cincinnati 9, Ohio

Worthington Corp.
Harrison & Worthington Sts.
Harrison, N. J.

York Corp., Sub. of Borg-Warner Corp.
York, Pa.

York-Shipley, Inc.
Penna RR & Jessop Place
York, Pa.

INDEX OF SPECIFICATIONS

RESIDENTIAL AIR CONDITIONERS

COMMERCIAL AIR CONDITIONERS

ROOM AIR CONDITIONERS

HEAT PUMPS

Residential Air Conditioners

MODEL NO.	CABINET DIMENSIONS (in.)			COOLING CAPACITY (Btu/hr)	HEATING CAPACITY (Btu/hr)	COMPRESSOR			
	Width	Height	Depth			No. Cyl.	Type	RPM	Make
ACME INDUSTRIES, INC.									
"Flow-Pac"									
"Flow-Cold"									
WCW-18	24	22	18	19,600		2	Herm.	1750	Tecum.
WCW-30	24	26¾	18	35,900		2	Herm.	1750	Tecum.
WCW-50	28	28	24½	62,400		2	Herm.	1750	Tecum.
WCA-20	24	22	18	19,200		2	Herm.	1750	Tecum.
WCA-30	24	26¾	18	30,000		2	Herm.	1750	Tecum.
RE-3	45½	36¾	24⅜	36,200		2	Herm.	1800	Acme-Carrier
RE-5	67⅛	36¾	24⅜	58,600		4	Herm.	1800	Acme-Carrier
RE-8	67⅛	38⅝	26⅜	89,600		4	Herm.	1800	Acme-Carrier
RE-10	68½	45	26⅞	118,100		6	Herm.	1800	Acme-Carrier
RE-15	93⅝	53½	29	180,000		(2) 4	Herm.	1800	Acme-Carrier
RE-20	93⅝	58	29	234,000		(2) 6	Herm.	1800	Acme-Carrier
WESTINGHOUSE ELECTRIC CORP., AIR COND. DIV.									
"Westinghouse"									
AU-301	26½	22¼	26½	*			Herm.		Own
AU-352	36	35⅞	26	*			Herm.		Own
AU-401	31½	26¼	31½	*			Herm.		Own
AU-452	36	39⅞	29	*			Herm.		Own
AU-601	36¼	31¼	36¼	*			Herm.		Own
AU-652	51½	49⅞	30	*			Herm.		Own
AU-802	51½	49⅞	30	*			Herm.		Own
KU-301	30	20¼	36	18,000			Herm.		Own
KU-401	30	24⅝	54½	34,000			Herm.		Own
RU-403	34⅞	62¾	25	38,000			Herm.		Own
RU-603	41⅞	67½	27	60,000			Herm.		Own
RU-803	52¼	73⅜	28½	90,000			Herm.		Own
RG-90-302 RO-84-302	24⅝	70⅝	38⅞	24,000	90,000 84,000		Herm.		Own
RG-130-402 RO-112-402	40¾	69⅝	29¼	38,000	130,000 112,000		Herm.		Own
EUREKA WILLIAMS CORP.									
RCC-2	26⅞	23	24⅜	20,700			Herm.		Tecum.
RCC-3	32¼	27¼	32¼	33,800			Herm.		Tecum.
RCC-5	37	33¾	37	60,000			Herm.		Tecum.

*Available in 16 combinations with cooling capacity ranging from 18,000 to 70,000 Btu/hr. in increments of 3000.

COMPRESSOR MOTOR			BLOWER			BLOWER MOTOR		CONDENSER	EVAPORATOR COIL		REFRIGERANT		AIR FILTER			WATER USAGE (gpm/ton) 75F inlet 95F outlet
HP	RPM	Cooling Method	CFM	No.	RPM	No.	HP	Type	Face Area (sq. ft.)	No. Rows	Type	(lb.)	Type	No.	Dimension (inches)	
1¾	1750	Refnt.						Water Cooled			F22	6				1.5
3	1750	Refnt.						Water Cooled			F22	8.5				1.5
5	1750	Refnt.						Water Cooled			F22	14.5				1.5
1¾	1750	Refnt.						Air Cooled			F22	11				
3	1750	Refnt.						Air Cooled			F22	15.3				
3	1800	Refnt.						Water Cooled			F22	9				1.5
5	1800	Refnt.						Water Cooled			F22	10				1.5
7½	1800	Refnt.						Water Cooled			F22	15				1.5
10	1800	Refnt.						Water Cooled			F22	17				1.5
(2) 7½	1800	Refnt.						Water Cooled			F22	26				1.5
(2) 10	1800	Refnt.						Water Cooled			F22	34				1.5
								Air-Cooled			F22					
								Air-Cooled			F12					
								Air-Cooled			F22					
								Air-Cooled			F22					
								Air-Cooled			F12					
								Air-Cooled			F12					
								Air-Cooled			F22					
			700	1		1	⅓	Air-Cooled			F22					
			1200	1		1	¼	Air-Cooled			F22					
			900-1500	1		1	⅓	Air or Water			F22					
			1800-2400	1		1	¾	Air or Water			F12					
			2800-3400	1		1	1	Air or Water			F12					
			600-900	1		1	⅓	Water-Cooled			F12					
			800-1100	1		1	½	Water-Cooled			F22					
2		Air	800		600		¼	Air-Cooled	2.11	3	F22	2# 9	T	3	10 x 20	
3		Air	1200		600		¼	Air-Cooled	2.54	4	F22	4# 14	T	3	10 x 20	
5		Air	2000		600		⅓	Air-Cooled	4.15	4	F22	9# 18	T	3	16 x 25 (2) 10 x 20 (1)	

Residential Air Conditioners

MODEL NO.	CABINET DIMENSIONS (in.)			COOLING CAPACITY (Btu/hr)	HEATING CAPACITY (Btu/hr)	COMPRESSOR			
	Width	Height	Depth			No. Cyl.	Type	RPM	Make
DRAYER-HANSON, DIV. OF NATIONAL-U.S. RADIATOR CORP.									
"Dyna-Pac"									
PKB-261	28	47	19½	22,000		2	Herm.	1750	Tecum.
PKC-261 PKC-263	30	58	22	33,000		2	Herm.	1750	Tecum.
PKD-261 PKD-263	40	61	24	60,000		2	Semi-Herm.	1750	Cope.
MUNCIE GEAR WORKS, INC.									
"Marvair"									
402ZB	44* 26**	28 18	33¾ 34⅝	24,600		2	Herm.	1725	
405ZB	44* 26**	28 26	33¾ 36⅛	37,400		2	Herm.	1725	
406Z	44* 36**	28 24	33¾ 40½	60,800		4	Herm.	1725	
9005	29	29	63¼	60,000		4	Herm.	1750	Tecum.
9006	29	29	63¼	60,000		4	Herm.	1750	Tecum.
9254	25	27½	34¼	62,000		4	Herm.	1750	Tecum.
9255	25	27½	34¼	62,000		4	Herm.	1750	Tecum.
9506	34¼	25	36½	60,000					
9507	34¼	25	19	60,000					
ARMSTRONG FURNACE CO.									
"Armstrong"									
41-R5-21 41-R5-23 41-R5-31 41-R5-33	28	28½	40			2	Herm.	1750	Tecum.
31-R5-21 31-R5-23 31-R5-31 31-R5-33	27	52	25	24,000 24,000 36,000 36,000		2	Herm.	1750	Tecum.
31-R5-41 31-R5-51 31-R5-61	23	56	52	48,000 60,000 72,000		2	Herm.	1750	Tecum.
31-R8-21 31-R8-23 31-R8-31 31-R8-33	23¾	20⅝	42¾	24,000 24,000 36,000 36,000		2	Herm.	1750	Tecum.
31-R6-21 31-R6-23 31-R6-31 31-R6-33	23	83	28½	24,000 24,000 36,000 36,000		2	Herm.	1750	Tecum.
31-R6-41 31-R6-51 31-R6-61	53	83	23	48,000 60,000 72,000		2	Herm.	1750	Tecum.
41-R3	21⅛	18	21⅛						
41-R5	27	52	25	22,900					
41-R7	25¼	15	27	&					
41-R8	25	17	16⅛	33,540					
41-R9	32	21⅛	26⅛						

*Remote air-cooled condenser.

**Evaporator section for horizontal flow.

†Includes sufficient refrigerant for 60' of tubing between condenser and evaporator.

NOTE: 2 and 3-ton models also available with A-type evaporator section for upflow-downflow applications.

COMPRESSOR MOTOR			BLOWER			BLOWER MOTOR		CONDENSER	EVAPORATOR COIL		REFRIGERANT		AIR FILTER			WATER USAGE (gpm/ton) 75F inlet 95F outlet
HP	RPM	Cooling Method	CFM	No.	RPM	No.	HP	Type	Face Area (sq. ft.)	No. Rows	Type	(lb.)	Type	No.	Dimension (inches)	
2	1750	Refnt.	800	1		1	1/6	Air or Water	1.83	3	F22	2	C	1	13 x 21⅞ x 1	2.7
3	1750	Refnt.	1200	1		1	1/3	Air or Water	3.00	3	F22	3	C	1	19 x 23⅞ x 1	4.0
5	1750	Refnt.	2000	1		1	½	Air or Water	4.95	3	F12	11	C	2	22 x 16¹⁵⁄₁₆ x 1	6.7
2			800	1	1725	1	¼	Fin Tube	1.67	4	F22	10†		1	16 x 25 x 1	
3			1200	1	1725	1	¼	Fin Tube	3.36	4	F22	10†		1	20 x 25 x 1	
5			2000	1	1725	1	½	Fin Tube	4.43	4	F22	14†		1 2	16 x 20 x 1 20 x 20 x 1	
5	1750	Refnt.	5000	2	580	2	1/3	Fin & Tube			F22	27				
5	1750	Refnt.	5000	2	580	2	1/3	Fin & Tube			F22	27				
5	1750	Refnt.						Tube in Tube			F22	12				7.5
5	1750	Refnt.						Tube in Tube			F22	12				7.5
			2000	1	Var.	1	½		5.27	4	F22		T	2	16 x 25 x 1	
									5.27	4	F22					
2			1670		750		¼					12				
2	1750	Refnt.	1670	1	750	1	¼	Air			F22	12				
3			2550		580		1/3					14				
3			2550		580		1/3					14				
2			800						1.85			2.63				3
2	1750	Refnt.	800	1	Var.	1	1/3	Water	1.85	3	F22	2.63	T	1	20 x 25 x 1	3
3			1200						2.67			2.94				4.5
3			1200						2.67			2.94				4.5
(2) 2			1600						3.69			5.26				6
2 & 3	1750	Refnt.	2000	1	Var.	1	½	Water	4.52	3	F22	5.57	T	2	20 x 25 x 1	7.5
(2) 3			2400						5.35			5.88				9
2									1.85			2.63				3
2	1750	Refnt.						Water	1.85	3	F22	2.63				3
3									2.67			2.94				4.5
3									2.67			2.94				4.5
2			800						1.87			2.63				3
2	1750	Refnt.	800	1	Var.	1	1/3	Water	1.87	3	F22	2.63	T	1	20 x 25 x 1	3
3			1200						2.67			2.94				4.5
3			1200						2.67			2.94				4.5
(2) 2			1600						3.69			5.26				6
2 & 3	1750	Refnt.	2000	1	Var.	1	½	Water	4.52	3	F22	5.57	T	2	20 x 25 x 1	7.5
(2) 3			2400						5.35			5.88				9
			800	1	Var.	1	1/3		3.21 2.75				T	1	20 x 25 x 1	
								Air	2.75	4	F22					
			1200	1	Var.	1	1/3		2.75 2.75				T	1	20 x 25 x 1	

Residential Air Conditioners

AMERICAN-STANDARD, AIR COND. DIV.

"American-Standard"

MODEL NO.	CABINET DIMENSIONS (in.)			COOLING CAPACITY (Btu/hr)	HEATING CAPACITY (Btu/hr)	COMPRESSOR			
	Width	Height	Depth			No. Cyl.	Type	RPM	Make
*These models also available without jacket.									
C-75-G-2W	37	60	28	25,000	60,000	2	Herm.	1725	Tecum.
C-100-G-2W C-100-G-3W	43	60	37	25,000 37,000	80,000	2	Herm.	1725	Tecum.
C-125-G-2W C-125-G-3W	43	60	37	25,000 37,000	100,000	2	Herm.	1725	Tecum.
C-150-G-2W C-150-G-3W	43	60	37	25,000 37,000	120,000	2	Herm.	1725	Tecum.
C-85-OB-2W C-85-OB-3W	47	55	28	25,000 37,000	85,000	2	Herm.	1725	Tecum.
C-112-OB-2W C-112-OB-3W	47	58	28	25,000 37,000	112,000	2	Herm.	1725	Tecum.
HCA2H HCA3H	44	23	23	24,180 36,040		2	Herm.	1725	Tecum.
HC200*	34 7/16	45 1/4	37 3/4	25,700		3	(2) Herm.	1725	York
HC300*	34 7/16	45 1/4	55 3/4	38,550		3	(2) Herm.	1725	York
HCA2F	27 1/4	57	28 1/2	25,680		2	Herm.	1750	Tecum.
HCA3F	27 1/4	57	28 1/2	38,020		2	Herm.	1750	Tecum.
HCA5F	42	68	34 1/2	62,900		6	Herm.	1750	York
HCA2	25	40	22	24,180		2	Herm.	1750	Tecum.
HCA3	25	40	22	36,040		2	Herm.	1750	Tecum.
HCA5	42	46	24	62,900		6	Herm.	1750	York
AC-2A	31 1/2	39	29 1/2			2	Herm.	1725	Tecum.
RC-2HA	24 1/4	15 3/4	12	22,500					
RC-2V	17	16 5/8	17 7/8	22,000					
RC-2C	24 1/8	13 3/4	28 1/8	21,600					
RC-2B	25 3/4	19 1/2	33 1/4	21,600					
AC-3A	31 1/2	39	29 1/2			2	Herm.	1725	Tecum.
RC-3H	24 1/8	20 3/8	18 1/8	32,500					
RC-3V	24 1/8	16 5/8	20 3/8	34,240					
RC-3C	24 1/8	13 3/4	28 1/8	32,500					
RC-3B	25 3/4	22 1/2	39 1/4	32,500					
AC-5A	37	32 3/4	37			4	Herm.	1725	Tecum.
RC-5HA	37 1/8	18 3/4	12	60,000					

COMPRESSOR MOTOR			BLOWER			BLOWER MOTOR		CONDENSER	EVAPORATOR COIL		REFRIGERANT		AIR FILTER			WATER USAGE (gpm/ton) 75F inlet 95F outlet
HP	RPM	Cooling Method	CFM	No.	RPM	No.	HP	Type	Face Area (sq. ft.)	No. Rows	Type	(lb.)	Type	No.	Dimension (inches)	
**Non-integral																
2	1725	Refnt.	800	1	780	1	¼	Tube-Tube	2.11	3	F22	2.7	T	1	16 x 24 x 1	1.5
2	1725	Refnt.	800	1	690	1	⅓	Tube-Tube	2.11	3	F22	2.7	T	1	20 x 25 x 1	1.5
3			1200		850				2.53	4		3				
2	1725	Refnt.	800	1	720	1	⅓	Tube-Tube	2.11	3	F22	2.7	T	1	20 x 25 x 1	1.5
3			1200		850				2.53	4		3				
2	1725	Refnt.	800	1	750	1	⅓	Tube-Tube	2.11	3	F22	2.7	T	2	15 x 20 x 1	1.5
3			1200		850				2.53	4		3				
2	1725	Refnt.	800	1	750	1	¼	Tube-Tube	2.11	3	F22	2.7	T	1	20 x 25 x 1	1.5
3			1200		850				2.53	4		3				
2	1725	Refnt.	800	1	750	1	⅓	Tube-Tube	2.11	3	F22	2.7	T	2	15 x 20 x 1	1.5
3			1200		850		⅓		2.53	4		3				
	1725	Refnt.						Shell-Tube	2.11	3	F22	2.7				1.5
									2.53	4	F22	3				
(2)1	1725	Refnt.	**					Shell-Coil	2.34	3	F22	1¾	T	2	16 x 20 x 1	1.5
(3)1	1725	Refnt.	**					Shell-Coil	3.51	3	F22	1¾	T	3	16 x 20 x 1	1.5
2	1750	Refnt.	800	1	935	1	½	Shell-Tube	2.44	2	F22	2.7	T	1	20 x 25 x 1	1.5
3	1750	Refnt.	1200	1	910	1	½	Shell-Tube	2.44	3	F22	3	T	1	20 x 25 x 1	1.5
5	1750	Refnt.	2000	1	875	1	½	Shell-Coil	5.93	3	F22	6.63	T	2	20 x 20 x 1	1.5
2	1750	Refnt.	**					Shell-Tube	2.44	2	F22	2.7				1.5
3	1750	Refnt.	**					Shell-Tube	2.44	3	F22	3				1.5
5	1750	Refnt.	**					Shell-Coil	5.93	3	F22	6.63				1.5
2	1725	Refnt.						Air			F22					
									2.11	3	F22	6.7				
									2.38	3	F22	6.7				
									2.11	3	F22	6.7				
			800	1		1	⅓		2.11	3	F22	6.7	T	1	16 x 25 x 1	
3	1725	Refnt.						Air			F22					
									2.53	4	F22	7.9				
									2.82	3	F22	7.9				
									3.47	3	F22	7.9				
			1200	1		1	⅓		2.53	3	F22	7.9	T	1	20 x 25 x 1	
5	1725	Refnt.						Air			F22					
									4.12	4	F22	14				

Residential Air Conditioners

UNITED STATES AIR CONDITIONING CORP.

"usAIRco"

MODEL NO.	CABINET DIMENSIONS (in.)			COOLING CAPACITY (Btu/hr)	HEATING CAPACITY (Btu/hr)	COMPRESSOR			
	Width	Height	Depth			No. Cyl.	Type	RPM	Make
*Air cooled condensing unit combined with blower coil unit.									
8320A*	35	37	20	20,700		2	Herm.	1750	Tecum.
8330A*	37	40	23	31,600		2	Herm.	1750	Tecum.
8350A*	40	47	27	52,500		2	Herm.	1750	Tecum.
8375*	70	50	30	84,000		4	Semi-Herm.	1750	Cope.

CARRIER CORP.

"Weathermaker"

MODEL NO.	CABINET DIMENSIONS (in.)			COOLING CAPACITY (Btu/hr)	HEATING CAPACITY (Btu/hr)	COMPRESSOR			
	Width	Height	Depth			No. Cyl.	Type	RPM	Make
38D1A	22½	27¾	47⅜	30,800	75,000 100,000 125,000	2	Semi-Herm.	1725	Own
38D11A	60¼	39½	28¼	66,000			Semi-Herm.	1725	Own
38F11	48⅜	23	36	66,000					
38B6	29	70	40⅞	60,000	140,000 190,000	4	Semi-Herm	1725	Own
38B8	58	70	40⅞	90,000	190,000	4	Semi-Herm.	1725	Own
38C2	37⅛	62	27⅝	24,000	105,000	2	Semi-Herm.	1725	Own
38C2	37⅛	62	27⅝	22,300	105,000	2	Semi-Herm.	1725	Own
38C2A	37⅛	62	27⅝	30,300	105,000	2	Semi-Herm.	1725	Own
38C4A	46	63½	28¾	36,000	140,000	2	Semi-Herm.	1725	Own
38C4	46	63½	28¾	51,300	140,000	4	Semi-Herm.	1725	Own
38D2A	42⅞	27	28	30,800	75,000 100,000 125,000	2	Semi-Herm.	1725	Own
38D4A	50	27	33	45,400	100,000 125,000 150,000	4	Semi-Herm.	1725	Own
38D6A	50	27	33	56,350	150,000 175,000 200,000	4	Semi-Herm.	1725	Own
38L2	Matches Furnace	22	20⅛	27,400					
38D2A	24	12¼	31¼	27,400					
38D2	26⅛	12¼	16¾	27,400					
38L4	Matches Furnace	22	20⅛	44,950					
38D4	27¾	16¾	37⅛	44,950					
38D4	20⅞	16	35⅝	44,950					
38L6	Matches Furnace	22	20⅛	56,350					
38D6	34¼	14½	39½	56,350					
38D6	18⅛	16	47⅝	56,350					
38F2	28¾	20⅞	24	27,400					
38F4	41⅝	21	31	44,950					
38F6	48⅜	23	36	56,350					

NOTE: Upflow, downflow or horizontal furnaces, gas or oil fired, also are available in capacities ranging from 75,000 to 200,000 Btu/hr. input.

COMPRESSOR MOTOR			BLOWER			BLOWER MOTOR		CONDENSER	EVAPORATOR COIL		REFRIGERANT		AIR FILTER			WATER USAGE (gpm/ton) 75F inlet 95F outlet
HP	RPM	Cooling Method	CFM	No.	RPM	No.	HP	Type	Face Area (sq. ft.)	No. Rows	Type	(lb.)	Type	No.	Dimension (inches)	
AIR-COOLED CONDENSING UNITS													BLOWER COIL UNITS			
1¾	1750	Refnt.	1600	1	640	1	¼	Air-Cooled	2.19	3	F22		C	1	16 x 20 x 1	
3	1750	Refnt.	2400	1	538	1	⅓	Air-Cooled	2.19	4	F22		C	1	16 x 20 x 1	
5	1750	Refnt.	3700	1	496	1	½	Air-Cooled	3.79	4	F12		C	1	20 x 25 x 1	
7½	1750	Refnt.	7500	2	605	1	1½	Air-Cooled	6.67	3	F22		T	3	16 x 25 x 1	
	1725	Refnt.	Condensing Unit					Air-Cooled			C7					
	1725	Refnt.	Condensing Unit					Air-Cooled			C7					
For use with 38D Condensing Unit						1	¾			3	C7					
	1725	Refnt.	2000	1	640	1	½	Shell & Coil	5.16	3	F22	12	T	3	20 x 25	5
	1725	Refnt.	3000	1	790	1	¾	Shell & Coil	7.75	3	F22	14½	T	3	20 x 25	7½
	1725	Refnt.	800	1	837	1	¼	Shell & Coil	2.77	2	F12	4	T	1	20 x 25	2
	1725	Refnt.	750	1	810	1	¼	Air Cooled	2.77	2	F12	Hold.	T	1	20 x 25	
	1725	Refnt.	920	1	890	1	¼	Air Cooled	2.77	2	C7	Hold.	T	1	20 x 25	
	1725	Refnt.	1200	1	850	1	⅓	Shell & Coil	3.67	2	F22	4	T	2	16 x 25	4
	1725	Refnt.	1520	1	950	1	⅓	Air Cooled	3.67	2	F12	Hold.	T	2	16 x 25	
	1725	Refnt.	Condensing Unit					Air Cooled			C7					3
	1725	Refnt.	Condensing Unit					Air Cooled			F12					
	1725	Refnt.	Condensing Unit					Air Cooled			C7					
For Addition to Upflow Furnace									3.21	2	C7					
For Addition to Downflow Furnace									2.82	2	C7					
For Addition to Horizontal Furnace									2.95	2	C7					
For Addition to Upflow Furnace									3.50	3	F12					
For Addition to Downflow Furnace									4.28	2	F12					
For Addition to Horizontal Furnace									4.21	2	F12					
For Addition to Upflow Furnace									4.08	3	C7					
For Addition to Downflow Furnace									5.05	2	C7					
For Addition to Horizontal Furnace											C7					
For Use With 38D Condensing Unit			800	1	930	1	¼		2.95	2	C7		T	1	20 x 25 x 1	
For Use With 38D Condensing Unit			1200	1	720	1	½		4.33	2	F12		T	2	16 x 20 x 1	
For Use With 38D Condensing Unit			2000	1	540	1	½		6.29	2	C7		T	2	20 x 20 x 1	

Residential Air Conditioners

MODEL NO.	CABINET DIMENSIONS (in.)			COOLING CAPACITY (Btu/hr)	HEATING CAPACITY (Btu/hr)	COMPRESSOR			
	Width	Height	Depth			No. Cyl.	Type	RPM	Make
YORK-SHIPLEY, INC.									
"Shipley Homeaire"									
SAC-15	25	28	72	15,750		2	Sealed	1750	Tecum.
SAC-20	28	22	56½	24,000	33,000*	2	Sealed	1750	Tecum.
ACR7-15 (C)	20⅛	17⁹⁄₁₆	25½	15,750		2	Herm.	1725	Tecum.
ACR7-15 (E)	25½	16⅛	27						
ACR7-20 (C)	20⅛	22⅛	25½	24,000	33,000*	2	Herm.	1725	Tecum.
ACR7-20 (E)	25	16⅛	27						
ACR7-30 (C)	42	24¼	30	33,000	45,300*	2	Herm.	1725	Tecum.
ACR7-30 (E)	25½	20¼	28						
ACR7-50 (C)	40	41½	41	62,000	73,000*	2	Herm.	1725	Tecum.
ACR7-50 (E)	25½	26	50						
FA20	31⅛	24	45⅛	23,600		2	Sealed	1750	Tecum.

(C) Condensing unit. (E) Evaporator unit — for remote application. *Optional

INTERNATIONAL OIL BURNER CO.									
"International"									
TAC-1500	18	60	20	15,500			Herm.		Tecum.
TAC-1750	18	67	24	21,500			Herm.		Tecum.
AC292A	26½	17	34	20,000		2	Sealed	1725	Tecum.
RV2W	25	40	20	24,760		2	Sealed	1725	Tecum.
RV2A				22,500					
RV3W	25	40	20	38,650		2	Sealed	1725	Tecum.
RV3A				35,200					
RV5W*	35	66½	25	65,800		4	Sealed	1725	Tecum.
COOL-ETTE, INC.									
"Cool-ette"									
F2W*	25	57½	21½	24,760		2	Sealed	1725	Tecum.
F3W*	25	57½	21½	38,650		2	Sealed	1725	Tecum.
F5W*	35	66½	25	65,800		4	Sealed	1725	Tecum.
WC2W*	23¼	37	17¾	25,300	30,000	2	Sealed	1725	Tecum.
WC3W*	23¼	37	17¾	37,000	45,000	2	Sealed	1725	Tecum.
WC5W	32	40	20	63,000	75,000	4	Sealed	1725	Tecum.

*Remote evaporators available with air-cooled condenser.
Corresponding models available in "A" series have air-cooled condenser.

COMPRESSOR MOTOR			BLOWER			BLOWER MOTOR		CONDENSER	EVAPORATOR COIL		REFRIGERANT		AIR FILTER			WATER USAGE (gpm/ton) 75F inlet 95F outlet
HP	RPM	Cooling Method	CFM	No.	RPM	No.	HP	Type	Face Area (sq. ft.)	No. Rows	Type	(lb.)	Type	No.	Dimension (inches)	
1½	1750	Refnt.	660	1	1050	1	⅛	Air Cooled	1.75	2	F12	2.56	T	1	15 x 20 x 1	
2	1750	Refnt.	850	1	1050	1	¼	Air Cooled	2.22	3	F22	6	T	1	16 x 25 x 1	
1½	1725	Refnt.	500		900		⅛	Air Cooled	1.31	3	F22	6	T	1	20 x 25 x 1	
2	1725	Refnt.	800		1050		¼	Air Cooled	2.30	3	F22	7	T	1	16 x 25 x 1	
3	1725	Refnt.	1050		1050		¼	Air Cooled	2.62	4	F22	10	T	1	16 x 25 x 1	
5	1725	Refnt.	2000		520 640		⅓	Air Cooled	4.38	4	F22	20	T	2	16 x 25 x 1	
2	1750	Refnt.		1	1050	1	⅓	Air-Cooled	2.35	3	F22	4.5				
1½	1725	Refnt.	625	1	800	1	⅛	Air					T	1	15 x 30	
1¾	1725	Refnt.	650	1	1050	1	⅙	Air					T	1	15 x 30	
2	1725	Refnt.	600	1	1550	1	¼	Air	1.17	4	F22		C	1	20 x 20 x 1	
2	1725	Refnt.						Water Air	1.75	4	F22	2#11 Hold.	C	1	20 x 20 x 1	1.44
3	1725	Refnt.						Water Air	2.91	4	F22	2#15 Hold.	C	1	20 x 20 x 1	
5	1725	Refnt.						Water	4.19	4	F22	5# 4	C	2	16 x 25 x 1	1.44
2	1725	Refnt.	800	1	Var.	1	¼	Water	1.75	4	F22	2#11	C	1	20 x 20 x 1	1.44
3	1725	Refnt.	1200	1	Var.	1	⅓	Water	2.91	4	F22	2#15	C	1	20 x 20 x 1	1.44
5	1725	Refnt.	2000	1	Var.	1	½	Water	4.19	4	F22	5# 4	C	2	20 x 20 x 1	1.44
2	1725	Refnt.						Water			F22	2#11				1.44
3	1725	Refnt.						Water			F22	2#15				1.44
5	1725	Refnt.						Water			F22	5# 4				1.44

Residential Air Conditioners

MODEL NO.	CABINET DIMENSIONS (in.)			COOLING CAPACITY (Btu/hr)	HEATING CAPACITY (Btu/hr)	COMPRESSOR			
	Width	Height	Depth			No. Cyl.	Type	RPM	Make
COLEMAN CO., INC.									
"Coleman"									
"Polar-Pak"									
"Air-Mist"									
6016	29	50½	51½	20,000		2	Herm.	1725	Tecum.
6017	29	50½	51½	36,000		2	Herm.	1725	Tecum.
6018	29	50½	57½	62,500		4	Herm.	1725	Tecum.
6216	24	23¼	26½	18,000		2	Herm.	1725	Tecum.
6216A	31¾	27½	31¾	22,500		2	Herm.	1725	Tecum.
6217	31¾	27½	31¾	31,500		2	Herm.	1725	Tecum.
6218	36½	36½	36½	57,000		4	Herm.	1725	Tecum.
6212	30	21	46	23,800		2	Herm.	1725	Tecum.
6213	34¾	21	55	36,000		2	Herm.	1725	Tecum.
6501	16	60	28	12,000					
6502	16	60	28	24,000					
6503	20	60	30	36,000					
6505	23¾	60	37	60,000					
THERM-AIR MFG. CO.									
"Weathertrol"									
LB-2	31	47	23	24,600		2	Herm.	1750	Tecum.
LB-3	31	47	23	36,800		2	Herm.	1750	Tecum.
LB-5	38½	61	24	60,800		4	Herm.	1750	Tecum.
LB-7.5	38½	61	24	94,400		5	Semi-Herm.	1750	Worth.
AIR-2	36	36	36	22,500		2	Herm.	1750	Tecum.
AIR-3	36	36	36	34,900		2	Herm.	1750	Tecum.
AIR-5	36	36	36	61,000		4	Herm.	1750	Tecum.
COLUMBIA SPECIALTY CO., INC.									
"Columbia"									
2TAC	17¼	64	27½	24,000		2	Herm.	1750	Tecum.
3TAC	22	66¾	31½	36,000		3	Herm.	1750	Tecum.
2TWC	17¼	64	27½	24,000		2	Herm.	1750	Tecum.
3TWC	22	66¾	31½	36,000		3	Herm.	1750	Tecum.
PHILCO CORP.									
"Philco"									
200R	28	17¾	37½			2	Herm.	1725	Tecum.

COMPRESSOR MOTOR			BLOWER			BLOWER MOTOR		CONDENSER	EVAPORATOR COIL		REFRIGERANT		AIR FILTER			WATER USAGE (gpm/ton) 75F inlet 95F outlet
HP	RPM	Cooling Method	CFM	No.	RPM	No.	HP	Type	Face Area (sq. ft.)	No. Rows	Type	(lb.)	Type	No.	Dimension (inches)	
1¾	1725	Refnt.						Air-Cooled (Evaporative)			F22	Hold				1/10
3	1725	Refnt.						Air-Cooled (Evaporative)			F22	Hold				1/10
5	1725	Refnt.						Air-Cooled (Evaporative)			F22	Hold				1/10
1¾	1725	Refnt.						Air-Cooled			F22	Hold				
2	1725	Refnt.						Air-Cooled			F22	Hold				
3	1725	Refnt.						Air-Cooled			F22	Hold				
5	1725	Refnt.						Air-Cooled			F22	Hold				
(2) 1	1725	Refnt.	800	1	1110	1	¼	Air-Cooled	1.9	3	F22	3				
(2) 1¾	1725	Refnt.	1200	1	1110	1	⅓	Air-Cooled	2.5	4	F22	5				
			400	1	Var.	1	¼		1.02	3	F12 F22		T	2	20 x 10 x 1	
			750	1	Var.	1	¼		2.19	3	F12 F22		T	2	20 x 10 x 1	
			1200	1	Var.	1	⅓		2.88	4	F12 F22		T	1	20 x 25 x 1	
			1950	1	Var.	1	½		4.16	4	F12 F22		T	2	20 x 16 x 1	
2	1750	Refnt.	800	1	Var.	1	¼	Tube-Tube	2.8	4	F22		T	1	20 x 20 x 1	3
3	1750	Refnt.	1200	1	Var.	1	⅓	Tube-Tube	2.8	4	F22		T	1	20 x 20 x 1	4½
5	1750	Refnt.	2000	1	Var.	1	½	Tube-Tube	4.1	4	F22		T	2	16 x 25 x 1	7½
7½	1750	Refnt.	3000	1	Var.	1	¾	Tube-Tube	5.5	4	F22		T	2	15 x 30⅛ x 1	11½
2	1750	Refnt.	800	1	Var.	1	¼	Air-Cooled	2.8	4	F22					
3	1750	Refnt.	1200	1	Var.	1	⅓	Air-Cooled	2.8	4	F22					
5	1750	Refnt.	2000	1	Var.	1	½	Air-Cooled	4.1	4	F22					
2	1750	Refnt.	700 800	1	Var.	1	⅓	Air-Cooled	2.8	2	F22	12	T	1	16 x 25 x 1	
3	1750	Refnt.	1100 1100	1	Var.	1	½	Air-Cooled	5.3	2	F22	16	T	1	20 x 25 x 1	
2	1750	Refnt.	700 800	1	Var.	1	⅓	Water-Cooled	2.8	2	F22	12	T	1	16 x 25 x 1	2
3	1750	Refnt.	1100 1200	1	Var.	1	½	Water-Cooled	5.3	2	F22	16	T	1	20 x 25 x 1	2
2	1725	Refnt.	655	2	1700	1	¼	Air Cooled	1.4	4	F22	3.2	C	1	11¾ x 23¼ x ⅓	

Residential Air Conditioners

MODEL NO.	CABINET DIMENSIONS (in.)			COOLING CAPACITY (Btu/hr)	HEATING CAPACITY (Btu/hr)	COMPRESSOR			
	Width	Height	Depth			No. Cyl.	Type	RPM	Make
HESS CO.									
"Climate Master"									
H-261	22	59½	22	24,000					Tecum.
H-361	22	59½	22	36,000					Tecum.
H-461	26	66½	26	48,000					Tecum.
H-661	26	66½	26	72,000					Tecum.
HA-261	22	59½	22	24,000					Tecum.
HA-361	22	59½	22	36,000					Tecum.
HA-561	26	66½	26	60,000					Tecum.
FEDDERS-QUIGAN CORP.									
"Adaptomatic"									
617AB-3	37	17⅜	28⅞	21,500		2	Herm.		Tecum.
730AB-3	41⅛	20⅜	36½	33,000		2	Herm.		Tecum.
BAL-AIR, INC.									
"Bal-Air"									
AC-2	36	72	28	24,000		2	Access. Herm.	1735	Cope.
AC-3	44	77	31	36,000		3	Access. Herm.	1735	Cope.
AC-5	44	77	31	60,000		5	Access. Herm.	1735	Cope.
GIBSON REFRIGERATOR CO., DIV. OF HUPP CORP.									
"Gibson"									
GW-753	62	56	35	88,800			Herm.		Cope.
GW-103	62	56	35	121,000			Herm.		Cope.
AC-292	26⅝	16⅝	32⅞	18,000		2	Herm.	1725	Tecum.
GO-21	29⅛	23⅞	43½	24,000		2	Herm.	1725	B-W
GO-31	29⅛	23⅞	43½	36,000		4	Herm.	1725	Tecum.
GB-21	25 21/32	45	29½	22,000		2	Herm.	1725	Tecum.
GB-31	25 21/32	45	29½	36,000		2	Herm.	1725	Tecum.
GR-31 GR-33	25 21/32	60	29½	36,000		2	Herm.	1725	Tecum.
GR-51 GR-53	27⅜	60	37½	61,000		4	Herm.	1725	Tecum.
GW-31 GW-33	30	27	42	33,000		2	Herm.	1725	Tecum.
GW-51 GW-53	30	27	64	55,000		4	Herm.	1725	Tecum.
GREAT NORTHERN MFG. CORP.									
"Northern-Aire"									
WHV200	36	47⅝	21	22,500		2	Herm.	1725	Tecum.
WHV300	36	64½	21	35,300		2	Herm.	1725	Tecum.
WHV500	46	50½	23¾	60,000		3	Herm.	1725	Tecum.
WHV750	46	72½	25	90,000		4	Herm.	1725	Tecum.

COMPRESSOR MOTOR			BLOWER			BLOWER MOTOR		CONDENSER	EVAPORATOR COIL		REFRIGERANT		AIR FILTER			WATER USAGE (gpm/ton) 75F inlet 95F outlet
HP	RPM	Cooling Method	CFM	No.	RPM	No.	HP	Type	Face Area (sq. ft.)	No. Rows	Type	(lb.)	Type	No.	Dimension (inches)	
1½			900	1	750		¼	Counterflow	2.25	3	F22	4½		1	18 x 18 x 1	90
2			1350	1	800		⅓	Counterflow	2.25	4	F22	5½		1	18 x 18 x 1	90
3			1800	1	800		½	Counterflow	3.05	5	F22	6½		1	22 x 22 x 1	90
5			2400	1	810		¾	Counterflow	3.5	6	F22	8½		1	22 x 22 x 1	90
2			900	1	750		¼	Air-Cooled	2.25	3	F22	6½		1	18 x 18 x 1	
3			1350	1	800		⅓	Air-Cooled	2.25	4	F22	7½		1	18 x 18 x 1	
5			2000	1	775		½	Air-Cooled	3.5	5	F22	10		1	22 x 21 x 1	
2				1	1100	1	⅓			4	F22					
3				1	1100	1	½			4	F22					
2	1735	Refnt.	800	1	877	1	¼	Evap.	1.56	4	F12	8	T	1	15 x 15	0.56
3	1735	Refnt.	1200	1	694	1	⅓	Evap.	2.5	4	F12	11	T	1	15 x 25	0.56
5	1735	Refnt.	2000	1	850	1	½	Evap.	4.16	4	F12	15	C	1	18 x 33	0.56
7½		Refnt.		2		1	1½	Air-Cooled			F12					
10		Refnt.		2		1	2	Air-Cooled			F22					
2	1725	Refnt.	800	1	1550	1	⅕	Air-Cooled	1.17	4	F22	2				
2	1725	Refnt.	800	1	1075	1	⅓	Air-Cooled	1.5	3	F22		T	1	½ x 12¾ x 23⅜	
2-1¾	1725	Refnt.	1200	1	1075	1	⅓	Air-Cooled	2.0	4	F22		C	1	1 x 14 x 30	
2	1725	Refnt.						Water Cooled	2.75	2	F22	2.1	T	1	20 x 25 x 1	1.5
3	1725	Refnt.						Water Cooled	2.75	3	F22	3.3	T	1	20 x 25 x 1	1.5
3	1725	Refnt.	1200	1	870	1	⅓	Water Cooled	2.75	3	F22	3.3	T	1	20 x 25 x 1	1.5
5	1725	Refnt.	2000	1	752	1	½	Water Cooled	4.22	4	F22	5.1	T	2	16 x 25 x 1	1.5
3	1725	Refnt.						Air Cooled	3.25	3	F22	9				
5	1725	Refnt.						Air Cooled	5.0	3	F22	12				
2			800	1	560	1	¼	Water	1.75	4	F22	5	T	1		
3			1200	1	690	1	¼	Water	2.4	4	F22	7	T	2		
5			2000	1	690	1	¼	Water	4.0	4	F22	7	T	2		
7.5			3000	3	870	1	¾	Water	6.0	4	F22	10	T	2		

Residential Air Conditioners

BONAIR PRODUCTS, INC.

"Bonair"

MODEL NO.	CABINET DIMENSIONS (in.)			COOLING CAPACITY (Btu/hr)	HEATING CAPACITY (Btu/hr)	COMPRESSOR			
	Width	Height	Depth			No. Cyl.	Type	RPM	Make
200WC	24¼	63	21⅜	26,800			Herm.		Tecum
300WC	24¼	63	21⅜	36,900			Herm.		Tecum.
500WC	24¼	63	39¼	63,700			Herm.		Tecum.
T200AC	24** 24⅞*	12 20⅜	24 26¹⁵⁄₁₆	20,700			Herm.		Tecum.
200AC	23** 32¼*	13 27⅛	24 32¼	22,500			Herm.		Tecum.
300AC	23** 32¼*	13 27⅛	24 32¼	33,800			Herm.		Tecum.
500AC	38** 37*	19 36¾	18 37	60,000			Herm.		Tecum.
500ACPH	34** 37*	27 36¾	38 37	60,000			Herm.		Tecum.

*Condenser cabinet. **Evaporator cabinet.

GENERAL ELECTRIC CO., AIR COND. DIV.

"G.E."

FE20J*	21	55	30⅛	24000			Herm.		
25	21	55	30⅛	30000			Herm.		
30	21	55	30⅛	36000			Herm.		
50	25	55	30⅛	60000			Herm.		
FE20JD or JH	25	24	36	24000			Herm.		
25	25	24	36	30000			Herm.		
30	29	24	36	36000			Herm.		
FG25J*	21	55	30⅛	30000			Herm.		
30	21	55	30⅛	36000			Herm.		
50	25	55	30⅛	60000			Herm.		
FG20JD or JH	25	24	36	25000			Herm.		
25	29	24	36	30000			Herm.		
30	33	24	36	38000			Herm.		
RA20B or G**	39¼ 50⁵⁄₁₆	55	30⅛	24000	60000 150000		Herm.		
25	42¼ 60⁵⁄₁₆	55	30⅛	30000	75000 210000		Herm.		
30	42¼ 60⁵⁄₁₆	55	30⅛	36000	75000 210000		Herm.		
50	50¼ 64⁵⁄₁₆	55	30⅛	60000	120000 210000		Herm.		
RB25B or G**	46¼ 64⁹⁄₁₆	55	30⅛	30000	75000 210000		Herm.		
30	46¼ 64⁹⁄₁₆	55	30⅛	38000	75000 210000		Herm.		
50	54¼ 68⁹⁄₁₆	55	30⅛	60000	120000 210000		Herm.		

*J = Upflow, JD = Downflow, JH = Horizontal **B = Oil Fired, G = Gas Fired

COMPRESSOR MOTOR			BLOWER			BLOWER MOTOR		CONDENSER	EVAPORATOR COIL		REFRIGERANT		AIR FILTER			WATER USAGE (gpm/ton) 75F inlet 95F outlet
HP	RPM	Cooling Method	CFM	No.	RPM	No.	HP	Type	Face Area (sq. ft.)	No. Rows	Type	(lb.)	Type	No.	Dimension (inches)	
			800					Water-Cooled			F22	2# 11				
			1200					Water-Cooled			F22	2# 15				
			2000					Water-Cooled			F22	4# 7				
			800					Air-Cooled			F22 G141					
			800					Air-Cooled			F22 G141					
			1200					Air-Cooled			F22 G141					
			2000					Air-Cooled			F22 G141					
			2000					Air-Cooled			G141 F22					
		Refnt.						Water-Cooled								
		Refnt.						Water-Cooled								
		Refnt.						Water-Cooled								
		Refnt.						Water-Cooled								
		Refnt.						Water-Cooled								
		Refnt.						Water-Cooled								
		Refnt.						Water-Cooled								
		Refnt.						Air-Cooled								
		Refnt.						Air-Cooled								
		Refnt.						Air-Cooled								
		Refnt.						Air-Cooled								
		Refnt.						Air-Cooled								
		Refnt.						Air-Cooled								
		Refnt.						Water-Cooled								
		Refnt.						Water-Cooled								
		Refnt.						Water-Cooled								
		Refnt.						Water-Cooled								
		Refnt.						Air-Cooled								
		Refnt.						Air-Cooled								
		Refnt.						Air-Cooled								

Residential Air Conditioners

INTERNATIONAL HEATER CO.

"International"

MODEL NO.	CABINET DIMENSIONS (in.)			COOLING CAPACITY (Btu/hr)	HEATING CAPACITY (Btu/hr)	COMPRESSOR			
	Width	Height	Depth			No. Cyl.	Type	RPM	Make
WH-205	23	60	28	26,800			Herm.		Tecum.
WH-305	23	60	28	36,900			Herm.		Tecum.
AH-205				22,500			Herm.		Tecum.
AH-305				34,800			Herm.		Tecum.
AR206	28	39½	28	21,000			Herm.		Tecum.
AR256	32	42	32	23,000			Herm.		Tecum.
AR356	32	42	32	35,000			Herm.		Tecum.
AR657	37	52	37	60,000			Herm.		Tecum.
AS206	34	21	52	21,500			Herm.		Tecum.
AS356	34	23½	58	35,100			Herm.		Tecum.
AS207	34½	22	53	21,500			Herm.		Tecum.
AS357	34	23½	60	35,100			Herm.		Tecum.

IRON FIREMAN MFG. CO.

"Iron Fireman"

C-201	24⅝	38	19	24,088			Herm.		Tecum.
C-203	24⅝	38	19	24,088			Herm.		Tecum.
C-301	24⅝	38	19	36,040			Herm.		Tecum.
C-303	24⅝	38	19	36,040			Herm.		Tecum.
C-501	33⅜	41	21¼	65,800			Herm.		Tecum.
C-503	33⅜	41	21¼	65,800			Herm.		Tecum.
HFC-201	19	62¾	33	24,088			Herm.		Tecum.
HFC-203	19	62¾	33	24,088			Herm.		Tecum.
HFC-301	19	62¾	33	36,040			Herm.		Tecum.
HFC-303	19	62¾	33	36,040			Herm.		Tecum.
HFC-501	22	62¾	33	65,800			Herm.		Tecum.
HFC-503	22	62¾	33	65,800			Herm.		Tecum.
HDC-201	23¾	41¾ *	20⅞	24,088			Herm.		Tecum.
HDC-203	23¾	41¾ *	20⅞	24,088			Herm.		Tecum.
HDC-301	23¾	41¾ *	20⅞	36,040			Herm.		Tecum.
HDC-303	23¾	41¾ *	20⅞	36,040			Herm.		Tecum.
PAC-191	29⅜	49⅞ *	19½	19,200			Herm.		Tecum.

* Length

COMPRESSOR MOTOR			BLOWER			BLOWER MOTOR		CONDENSER	EVAPORATOR COIL		REFRIGERANT		AIR FILTER			WATER USAGE (gpm/ton) 75F inlet 95F outlet
HP	RPM	Cooling Method	CFM	No.	RPM	No.	HP	Type	Face Area (sq. ft.)	No. Rows	Type	(lb.)	Type	No.	Dimension (inches)	
2			600 800					Water Cooled	152*		F22	2-11		1	20 x 20 x 1	
3			1000 1200					Water Cooled	243*		F22	2-15		1	20 x 20 x 1	
2			600 800					Air Cooled	105*		F22	3-11		1	20 x 20 x 1	
3			1000 1200					Air Cooled	165*		F22	4-14		1	20 x 20 x 1	
2			600 800					Air-Cooled	2.5	3	F22	3- 4				
2½			700 900					Air-Cooled	2.8	4	F22	3-11				
3½			1000 1200					Air-Cooled	2.8	4	F22	4-14				
6½			1000 1200					Air-Cooled	5.28	4	F22	9				
2			700 900					Air-Cooled	2.1	3	F22	3				
3½			1000 1200					Air-Cooled	2.64	4	F22	4				
2			700 900					Air-Cooled	2.1	3	F22	3				
3½			1000 1200					Air-Cooled	2.64	4	F22	4				
2											F22					3.0
2											F22					3.0
3											F22					4.5
3											F22					4.5
5											F22					6.0
5											F22					6.0
2			1785				⅓				F22					3.0
2			1785				⅛				F22					3.0
3			1785				¼				F22					4.5
3			1785				¼				F22					4.5
5			2500				⅓				F22					6.0
5			2500				⅓				F22					6.0
2											F22					3.0
2											F22					3.0
3											F22					4.5
3											F22					4.5
1½			600				⅓				F22					1.5

Residential Air Conditioners

MODEL NO.	CABINET DIMENSIONS (in.)			COOLING CAPACITY (Btu/hr)	HEATING CAPACITY (Btu/hr)	COMPRESSOR			
	Width	Height	Depth			No. Cyl.	Type	RPM	Make
ED FRIEDRICH, INC.									
"FloatingAir"									
RE-300	25	19½	25½						
RE-500	27½	25	28¼						
RE-750	31¾	29¼	32⅜						
RF-301	25	19½	25½						
RF-501	27½	25	28¼						
RF-751	31¾	29¼	32⅜						
DRAU-303	31	31½	38½	30,000*		2	Sealed	1725	Tecum.
DRAU-503	31	31½	38½	53,500*		2	Sealed	1725	Tecum.
DRAU-753	52¾	54½	38	80,000*		3	Semi-Herm.	1725	Cope.
RAU-303	31	31½	38½	36,000*		2	Sealed	1725	Tecum.
NOTE: RE models are evaporator units; RF models are blower units; DRAU and RAU models are condensing units.									
*System capacities, including evaporator and blower sections.									
JANITROL DIV., SURFACE COMBUSTION CORP.									
"Janitrol"									
SAC 24U-45	26½	60¼	26	26,800		2	Herm.	1725	Tecum.
SAC 36U-45	26½	60¼	26	36,900		2	Herm.	1725	Tecum.
SAC 60U-45	40½	60¼	26	63,700		2	Herm.	1725	Tecum.
SVW 60SU-55	40½	60¼	26	68,300		4	Herm.	1725	Tecum.
SHW 24U-55*	22¾	22¾	44	26,800		2	Herm.	1725	Tecum.
SHW 36U-55*	22¾	22¾	44	36,900		2	Herm.	1725	Tecum.
SRA 7-65*	29½	23	29½	20,500		2	Herm.	1725	Tecum.
SRA 9-65*	34½	28	34½	33,800		2	Herm.	1725	Tecum.
SRA 11-65*	39	33	39	60,000		2	Herm.	1725	Tecum.
A-501 -75**	39	33	39	60,000		2	Access. Herm.	1725	West.
A-503 -75**	39	33	39						
Remotely located condensing units. Used with evaporators in CVS series heating units of 100M and * 140M input designed to provide year around operation.									
** Available as single or three phase.									
KING REFRIGERATOR CORP.									
"King"									
UN2T	39½	24	30	25,000		2	Herm.	1725	Tecum.
UN3T	43	24	31	37,500		2	Herm.	1725	Tecum.
A2T	46	41¼	24	27,050		2	Herm.	1725	Tecum.
B3T	49	41¼	27¾	41,300		2	Herm.	1725	Tecum.

COMPRESSOR MOTOR			BLOWER			BLOWER MOTOR		CONDENSER	EVAPORATOR COIL		REFRIGERANT		AIR FILTER			WATER USAGE (gpm/ton) 75F inlet 95F outlet
HP	RPM	Cooling Method	CFM	No.	RPM	No.	HP	Type	Face Area (sq. ft.)	No. Rows	Type	(lb.)	Type	No.	Dimension (inches)	
									2.59	4						
									4.4	4						
									6.19	4						
			1200	1	890	1	1/3									
			2000	1	675	1	1/2									
			3400	1	670	1	3/4									
3	1725	Refnt.	3350	1	765	1	1/3	Air-Cooled	8.34	2	F22					
5	1725	Refnt.	6500	1	850	1	1/2	Air-Cooled	8.34	3	F22					
7 1/2	1725	Refnt.	8400	1	373	1	1	Air-Cooled	13.22	4	F12					
3	1725	Refnt.	3000	1	680	1	1/3	Air-Cooled	8.34	3	F22					
2	1725	Refnt.	800	1	790	1	1/4	Tube in Tube	2.12	3	F22	2.7	T		16 x 25 x 1	1.47
3	1725	Refnt.	1200	1	875	1	1/3	Tube in Tube	2.53	4	F22	2.9	T		16 x 25 x 1	1.62
2 & 3	1725	Refnt.	2000	1	900	1	3/4	Tube in Tube	4.15	4	F22	2.7 2.9	T		20 x 25 x 1	1.57
5	1725	Refnt.	2000	1	900	1	3/4	Tube in Tube	4.15	4	F22	4.5	T		20 x 25 x 1	1.51
2	1725	Refnt.	800					Tube in Tube	2.12	3	F22	2.7				1.47
3	1725	Refnt.	1200					Tube in Tube	2.53	4	F22	2.9				1.62
2	1725	Refnt.						Fin Tube			F22					
3	1725	Refnt.						Fin Tube			F22					
5	1725	Refnt.						Fin Tube			F22					
5	1725	Refnt.						Fin Tube			F12					
2			800	1				Air-Cooled			F22		T	1	16 x 25 x 1	
3			1200	1				Air-Cooled			F22		T	1	16 x 25 x 1	
2			800	1				Air-Cooled			F22		T	1	16 x 25 x 1	
3			1200	1				Air-Cooled			F22		T	1	16 x 25 x 1	

Residential Air Conditioners

MODEL NO.	CABINET DIMENSIONS (in.)			COOLING CAPACITY (Btu/hr)	HEATING CAPACITY (Btu/hr)	COMPRESSOR			
	Width	Height	Depth			No. Cyl.	Type	RPM	Make
DOWAGIAC STEEL FURNACE CO.									
"Dowagiac"									
DC-3	29	64	24	36,900		60	Herm.	1725	Tecum.
DC-5	43	62	26	60,120		60	Herm.	1725	Tecum.
DAC-2E	22	17 7/16	14 5/8	20,500		60	Herm.	1725	Tecum.
DAC-3	24 1/4	18 3/4	12	33,800		60	Herm.	1725	Tecum.
AAC-5	37 1/8	18 3/4	12	60,000		60	Herm.	1725	Tecum.
KAUFFMAN AIR CONDITIONING CO.									
"Kauffman"									
2	36	36	21	24,000		2	Herm.	1725	Tecum.
3	36	36	21	36,000		2	Herm.	1725	Tecum.
5	40	43	27	60,000		2	Herm.	1725	Tecum.
NATIONAL-U.S. RADIATOR CORP.									
"Capitolaire"									
RES-1W-021	22	59 1/2	22	24,000		2	Herm.	1725	Tecum.
RES-1W-031	22	59 1/2	22	36,000		2	Herm.	1725	Tecum.
RES-1W-051	26	66 1/2	26	60,000		4	Herm.	1725	Tecum.
RES-1A-021	22	58	22	24,000		2	Herm.	1725	Tecum.
RES-1A-031	22	58	22	36,000		2	Herm.	1725	Tecum.
RES-1A-051	26	65	26	60,000		4	Herm.	1725	Tecum.
RES-1AR-021*	25 1/8	21 1/8	42 1/8	24,000		2	Herm.	1725	Tecum.
RES-1AR-031*	25 1/8	21 1/8	42 1/8	36,000		2	Herm.	1725	Tecum.
RES-1AR-051*	30 1/8	25 1/8	50 1/8	60,000		4	Herm.	1725	Tecum.
FARQUHAR FURNACE CO.									
"Farquar"									
AF-2	26	51	38	24,000			Herm.	1750	Cope.
AF-3	28	54	38	36,000			Herm.	1750	Cope.
AF-5	32	59	42	60,000			Herm.	1750	Cope.
AF-7.5	42	65	35	90,000			Herm.	1750	Cope.
S-2*	34	23	28	23,300			Herm.	1750	Tecum.
S-3*	34	23	28	35,200			Herm.	1750	Tecum.
S-5*	46	32	37	56,700			Herm.	1750	Cope.

*Remote condensing unit.

**Flat Coil or A-Type Coil or Flat Coil with Blower Available.

***Optional

*High sides only; low sides are available for upward, downward, or horizontal air flow.

COMPRESSOR MOTOR			BLOWER			BLOWER MOTOR		CONDENSER	EVAPORATOR COIL		REFRIGERANT		AIR FILTER			WATER USAGE (gpm/ton) 75F inlet 95F outlet
HP	RPM	Cooling Method	CFM	No.	RPM	No.	HP	Type	Face Area (sq. ft.)	No. Rows	Type	(lb.)	Type	No.	Dimension (inches)	
3	1725	Refnt.	1200		659	1	1/3	Water	2.53	4	F22	3	T	2	16 x 25 x 1	3
5	1725	Refnt.	2000		659	1	1/2	Water	4.13	4	F22	6	T	2	20 x 25 x 1	3
1¾	1725	Refnt.						Air	1.11	3	F22	2½				
3	1725	Refnt.						Air	2.53	4	F22	5				
5	1725	Refnt.						Air	4.13	4	F22	9½				
2	1725	Water or Air						Evap. or Air			F22	6				1.5
3	1725	Water or Air						Evap. or Air			F22	9				1.6
5	1725	Water or Air						Evap. or Air			F22	11				1.7
2	1725	Refnt.	900	1	1000	1	¼	Co-axial Water-Cooled	2.5	3	F22	4½	C	1	18 x 18 x 1	3
3	1725	Refnt.	1350	1	1050	1	⅓	Co-axial Water-Cooled	2.5	4	F22	5½	C	1	18 x 18 x 1	4.5
5	1725	Refnt.	2000	1	1000	1	¾	Shell & Tube Water-Cooled	3.5	6	F22	8½	C	1	22 x 22 x 1	7.5
2	1725	Refnt.	900	1	800	1	¼	Air-Cooled	2.5	3	F22	6½	C	1	18 x 18 x 1	
3	1725	Refnt.	1350	1	750	1	⅓	Air-Cooled	2.5	4	F22	7½	C	1	18 x 18 x 1	
5	1725	Refnt.	2000	1	700	1	¾	Air-Cooled	3.5	6	F22	10	C	1	22 x 22 x 1	
2	1725	Refnt.	900**	1	1000	1	¼**	Air-Cooled	2.5	3	F22	6½	C	1	18 x 18 x 1***	
3	1725	Refnt.	1350**	1	1050	1	⅓**	Air-Cooled	2.78							
5	1725	Refnt.	2000**	1	900	1	¾**	Air-Cooled								
2	1750	Refnt.	800	1		1	¼	Shell & Tube	2.25	3	F12	8	T	1 1	10 x 20 20 x 20	
3	1750	Refnt.	1200	1		1	⅓	Shell & Tube	2.25	4	F12	8	T	1 1	10 x 20 20 x 20	
5	1750	Refnt.	2000	1		1	½	Shell & Tube	4	4	F12	12	T	1 1	16 x 25 20 x 25	
7½	1750	Refnt.	3000	1		1	¾	Shell & Coil	6.5	4	F12	20	T	2 2	16 x 20 20 x 20	
2	1750	Refnt.						Air			F22					
3	1750	Refnt.						Air			F22					
5	1750	Refnt.						Air			F12					

Residential Air Conditioners

MODEL NO.	CABINET DIMENSIONS (in.)			COOLING CAPACITY (Btu/hr)	HEATING CAPACITY (Btu/hr)	COMPRESSOR			
	Width	Height	Depth			No. Cyl.	Type	RPM	Make
LENNOX INDUSTRIES, INC.									
"Lennox"									
CHA1-201	30⅝	22	46	24,500		2	Herm.	1725	Tecum.
CB12-4	36	65¼	27⅞	48,000		2	Herm.	1725	Tecum.
CB12-5	36	65¼	27⅞	60,000		2	Herm.	1725	Tecum.
CB12-6	36	65¼	27⅞	72,000		2	Herm.	1725	Tecum.
CB11-2	22¾	61¼	27⅞	24,000		2	Herm.	1725	Tecum.
CB11-3	22¾	61¼	27⅞	36,000		2	Herm.	1725	Tecum.
CB11-5	28	65¼	27⅞	60,000		4	Herm.	1725	Tecum.
CH2-2	27	15½	34½	24,000		2	Herm.	1725	Tecum.
CH2-3	27	15½	34½	36,000		2	Herm.	1725	Tecum.
CS2-2	24	18½	40	24,000		2	Herm.	1725	Tecum.
CS2-3	24	18½	40	36,000		2	Herm.	1725	Tecum.
CP1-2	17⅞	36	27⅞	24,000		2	Herm.	1725	Tecum.
CP1-3	17⅞	36	27⅞	36,000		2	Herm.	1725	Tecum.
CP1-5	26⅝	42½	28	60,000		4	Herm.	1725	Cope. Tecum.
CABI-300	49⅜	58	27⅞	40,800		2	Herm.	1725	Tecum.
CHA2-301	35⅝	28	52 15/16	40,900		2	Herm.	1725	Tecum.
CHA3-501 CHA3-503	58 1/16	28	66⅞	60,000		4	Open	1725	Cope. Tecum.
LS2-200	23 3/16	6 9/16	20 17/32	25,500		2	Open	1725	Tecum.
LS2-300	23 3/16	6 9/16	20 17/32	40,500		2	Open	1725	Tecum.
LS1-500	35	24	20 7/16	60,400		4	Open	1725	Cope.
LSHR1-200	21	15⅞	27 13/16	25,500		2	Open	1725	Tecum.
LSHR1-300	21	15⅞	27 13/16	40,500		2	Open	1725	Tecum.
LSHR1-500	31	20½	27⅞	60,400		4	Open	1725	Cope.
LSB1-200	22¾	61¼	27⅞	25,500		2	Open	1725	Tecum.
LSB1-300	22¾	61¼	27⅞	40,500		2	Open	1725	Tecum.
LSB1-500	28	65¼	28	60,400		4	Open	1725	Cope.
ROUND OAK CO., INC.									
"Round Oak"									
RA-213	36¼	27	36¼	20,700		2	Herm.	1725	Tecum.
RA-253	36¼	27	36¼	23,000		2	Herm.	1725	Tecum.
RA-373	37¼	27	37¼	34,000		2	Herm.	1725	Tecum.
RA-503	37¼	27	37¼	59,500		4	Herm.	1725	Tecum.

COMPRESSOR MOTOR			BLOWER			BLOWER MOTOR		CONDENSER	EVAPORATOR COIL		REFRIGERANT		AIR FILTER			WATER USAGE (gpm/ton) 75F inlet 95F outlet
HP	RPM	Cooling Method	CFM	No.	RPM	No.	HP	Type	Face Area (sq. ft.)	No. Rows	Type	(lb.)	Type	No.	Dimension (inches)	
1 (2)	1725	Refnt.	920	1	1068	1	1/12	Air Cooled	1.97	3	F22	3.63				
2 (2)	1725	Refnt.	1600	1	616 753	1	½	Water Cooled	3.92	3	F22	5.62				1.55
2 3	1725	Refnt.	2000	1	722 888	1	½	Water Cooled	4.90	3	F22	6.43				1.60
3 (2)	1725	Refnt.	2400	1	758 926	1	¾	Water Cooled	5.88	3	F22	7.24				1.61
2	1725	Refnt.	800	1	650	1	¼	Water Cooled	1.96	3	F22	2.81				1.55
3	1725	Refnt.	1200	1	750	1	½	Water Cooled	2.94	3	F22	3.62				1.63
5	1725	Refnt.	2000	1	880	1	½	Water Cooled	4.40	4	F22	7.0				1.64
2	1725	Refnt.						Water Cooled	1.85	4	F22	2.5				1.50
3	1725	Refnt.						Water Cooled	2.76	4	F22	2.94				1.50
2	1725	Refnt.						Water Cooled	1.7	4	F22	2.5				1.50
3	1725	Refnt.						Water Cooled	2.55	4	F22	2.94				1.50
2	1725	Refnt.						Water Cooled	1.96	3	F22	2.81				1.55
3	1725	Refnt.						Water Cooled	2.94	3	F22	3.62				1.63
5	1725	Refnt.						Water Cooled	4.40	4	F22	7.0				1.64
3	1725	Refnt.	1200	1	750	1	⅓	Air Cooled	2.94	3	F22	6.62				
1¾	1725	Refnt.	1200	1	720	1	¼	Air-Cooled	2.66	4	F22	6.31				
(2) 5	1725	Refnt.	2000	1	740	1	½	Air-Cooled	4.7	4	F22	26				
2	1725	Refnt.						Air-Cooled*	3.24	3	F22	10				
3	1725	Refnt.						Air-Cooled*	3.24	3	F22	16				
5	1725	Refnt.						Air-Cooled*	4.83	4	F12	34				
2	1725	Refnt.						Air-Cooled*	1.96	3	F12 F22	10				
3	1725	Refnt.						Air-Cooled*	2.94	3	F22	16				
5	1725	Refnt.						Air-Cooled*	4.4	4	F12	34				
2	1725	Refnt.						Air-Cooled*	1.96	3	F12 F22	10				
3	1725	Refnt.						Air-Cooled*	2.94	3	F22	16				
5	1725	Refnt.						Air-Cooled*	4.48	4	F12	34				
1¾		Refnt.	1600	1	950	1	¼	Tube & Fin	268 300	(2) 2 3	F22	4‡ 6	T	1	20 x 20	
2		Refnt.	2200	1	780	1	¼	Tube & Fin	268 300	(2) 2 3	F22	5‡ 6	T	1	20 x 20	
3		Refnt.	2800	1	740	1	⅓	Tube & Fin	268 360	(2) 3 3	F22	5‡ 14	T	1	20 x 20	
5		Refnt.	4500	1	650	1	⅓	Tube & Fin	660 594	(2) 3 4	F22	9‡ 13	T	2	20 x 20	

Residential Air Conditioners

MODEL NO.	CABINET DIMENSIONS (in.)			COOLING CAPACITY (Btu/hr)	HEATING CAPACITY (Btu/hr)	COMPRESSOR			
	Width	Height	Depth			No. Cyl.	Type	RPM	Make
PEERLESS CORP.									
"Peerless"									
RA-213	36 1/4	27	36 1/4	20,700		2	Herm.	1725	Tecum.
RA-253	36 1/4	27	36 1/4	23,000		2	Herm.	1725	Tecum.
RA-373	37 1/4	27	37 1/4	34,000		2	Herm.	1725	Tecum.
RA-503	37 1/4	27	37 1/4	59,500		4	Herm.	1725	Tecum.
MUELLER CLIMATROL, DIV. WORTHINGTON CORP.									
"Mueller Climatrol"									
902-2**	40 1/8	18 1/8	20 3/4	23,600		2	Semi-Herm.	1725	Worth.
902-3**	40 1/8	18 1/8	20 3/4	36,800		2	Semi-Herm.	1725	Worth.
902-5**	40 1/8	18 1/8	20 3/4	63,800		3	Semi-Herm.	1725	Worth.
902-7**	48	22	22 1/4	98,000		3	Semi-Herm.	1725	Worth.
903-3*	20	70	38	36,000		2	Semi-Herm.	1725	Worth.
903-5*	24	72	39	60,000		3	Semi-Herm.	1725	Worth.
906-2-62*	24 1/2	62	39						
906-2-67*	24 1/2	67	39	26,050		2	Herm.	1725	Tecum.
906-3-62*	24 1/2	62	39						
906-3-67*	24 1/2	67	39	36,000		2	Semi-Herm.	1725	Worth.
906-5-67*	24 1/2	67	45	60,000		3	Semi-Herm.	1725	Worth.
911-21	21 11/16	27 3/4	68	23,500		2	Herm.	1725	Tecum.
915-3	35 1/2	26 5/8	45 11/16	34,200		2	Herm.	1725	Tecum.
923-2*	20 1/4	46	27 3/4	26,050		2	Herm.	1725	Tecum.
928-3*	20	45	27 1/2	36,000		3	Semi-Herm.	1725	Worth.
928-5*	20	45	27 1/2	60,000		5	Semi-Herm.	1725	Worth
929	20	45	27 1/2	26,050		2	Herm.	1725	Tecum.
*Unit adds on to furnace, using furnace filters.									
**Remote high side only.									
NIAGARA FURNACE DIV., FOREST CITY FOUNDRIES CO.									
"Niagara"									
H261	22	59 1/2	22	24,000		2	Herm.	1725	Tecum.
H361	22	59 1/2	22	36,000		2	Herm.	1725	Tecum.
H461	25	66 1/2	25	48,000		2	Herm.	1725	Tecum.
H661	25	66 1/2	25	72,000		4	Herm.	1725	Tecum.
HA261	22	59 1/2	22	24,000		2	Herm.	1725	Tecum.
HA361	22	59 1/2	22	36,000		2	Herm.	1725	Tecum.
HA561	25	66 1/2	25	60,000		4	Herm.	1725	Tecum.
HAR260	25 1/8	25 1/8	48 1/8	24,000		2	Herm.	1725	Tecum.
HAR360	25 1/8	25 1/8	48 1/8	36,000		2	Herm.	1725	Tecum.
HAR560	30 1/8	30 1/8	72 1/8	60,000		4	Herm.	1725	Tecum.

COMPRESSOR MOTOR			BLOWER			BLOWER MOTOR		CONDENSER	EVAPORATOR COIL		REFRIGERANT		AIR FILTER			WATER USAGE (gpm/ton) 75F inlet 95F outlet
HP	RPM	Cooling Method	CFM	No.	RPM	No.	HP	Type	Face Area (sq. ft.)	No. Rows	Type	(lb.)	Type	No.	Dimension (inches)	
1¾		Refnt.	1600	1	950	1	¼	Tube & Fin	268 300	(2) 2 3	F22	4# 6	T	1	20 x 20	
2		Refnt.	2200	1	780	1	¼	Tube & Fin	268 300	(2) 2 3	F22	5# 6	T	1	20 x 20	
3		Refnt.	2800	1	740	1	⅓	Tube & Fin	268 360	(2) 3 3	F22	5# 14	T	1	20 x 20	
5		Refnt.	4500	1	650	1	⅓	Tube & Fin	660 594	(2) 3 4	F22	9# 13	T	2	20 x 20	
2		Refnt.														1.5
3		Refnt.														1.48
5		Refnt.														1.36
7½		Refnt.														1.55
3		Refnt.	1200	1	1725	1	⅓	Shell & Tube	3.9	3	F22	6.5				1.5
5		Refnt.	2000	1	1725	1	½	Shell & Tube	4.5	4	F22	8.5				1.5
2		Refnt.	800	1	1725	1	¼	Coaxial	2.2	3	F22	3.4				1.67
3		Refnt.	1200	1	1725	1	⅓	Shell & Tube	3.9	3	F22	6.5				1.5
5		Refnt.	2000	1	1725	1	½	Shell & Tube	4.5	4	F22	8.5				1.5
2		Refnt.	810	1	1050	1	⅛	Air-Cooled	2.54	3	F22	5.9				
(2) 1¾		Refnt.	1200	1	1725	1	⅓	Air-Cooled	2.7	4	F22	8.2				
2		Refnt.	800	1	1725	1	¼	Coaxial	2.2	3	F22	3.4				1.67
3		Refnt.	Use Furnace					Shell & Tube	3.9	3	F22	6.5				1.5
5		Refnt.						Shell & Tube	4.5	4	F22	8.5				1.5
2		Refnt.	800	1	1725	1	¼	Coaxial	2.2	3	F22	3.4				1.67
1¾	1725	Refnt.	900	1	Var.	1	¼	Co-axial Water-Cooled	2.25	3	F22	4½	C	1	18 x 18	180
2	1725	Refnt.	1350	1	Var.	1	⅓	Co-axial Water-Cooled	2.25	4	F22	5½	C	1	18 x 18	270
3	1725	Refnt.	1800	1	Var.	1	½	Multi-Shell Water-Cooled	3.05	5	F22	6½	C	1	22 x 22	360
5	1725	Refnt.	2400	1	Var.	1	1	Multi-Shell Water-Cooled	3.50	6	F22	8½	C	1	22 x 22	540
2	1725	Refnt.	900	1	Var.	1	¼	Air-Cooled	2.25	3	F22	6½	C	1	18 x 18	
3	1725	Refnt.	1350	1	Var.	1	⅓	Air-Cooled	2.25	4	F22	7½	C	1	18 x 18	
5	1725	Refnt.	2000	1	Var.	1	½	Air-Cooled	3.5	5	F22	10	C	1	22 x 22	
2	1725	Refnt.	900	1	Var.	1	¼	Air-Cooled	2.5	3	F22	6½	C	1	18 x 18	
3	1725	Refnt.	1250	1	Var.	1	⅓	Air-Cooled	2.78	4	F22	7½	C	1	18 x 18	
5	1725	Refnt.	1840	1	Var.	1	¾	Air-Cooled	4.0	5	F22	10	C	1	22 x 22	

Residential Air Conditioners

MODEL NO.	CABINET DIMENSIONS (in.)			COOLING CAPACITY (Btu/hr)	HEATING CAPACITY (Btu/hr)	COMPRESSOR			
	Width	Height	Depth			No. Cyl.	Type	RPM	Make
CENTURY ENGINEERING CORP.									
"Century"									
A-200	24	21	40½	22,000			Herm.		Tecum.
A-350	32	24½	48⅞	36,000			Herm.		Tecum.
BA2A	25	16½	40¼	22,500	60,000	2	Herm.	1725	Tecum.
BW2A	25	16½	40¼	24,760	60,000	2	Herm.	1725	Tecum.
BA2B	25	16½	43	22,500	*	2	Herm.	1725	Tecum.
BW2B	25	16½	43	24,760	*	2	Herm.	1725	Tecum.
BA3B	25	16½	43	35,200	*	2	Herm.	1725	Tecum.
BW3B	25	16½	43	38,650	*	2	Herm.	1725	Tecum.
BA2C	26	16½	45¾	22,500	*	2	Herm.	1725	Tecum.
BA3C	26	16½	45¾	35,200	*	2	Herm.	1725	Tecum.
BW2C	26	16½	45¾	24,760	*	2	Herm.	1725	Tecum.
BW3C	26	16½	45¾	38,650	*	2	Herm.	1725	Tecum.
BA2K	29	22	26	22,500	*	2	Herm.	1725	Tecum.
BA3K	29	22	26	35,200	*	2	Herm.	1725	Tecum.
BW2K	29	22	26	24,760	*	2	Herm.	1725	Tecum.
BW3K	29	22	26	38,650	*	2	Herm.	1725	Tecum.
CA2A	24	16½	22¾	22,500	*	2	Herm.	1725	Tecum.
CA3A	24	16½	22¾	35,200	*	2	Herm.	1725	Tecum.
CW2A	24	16½	22¾	24,760	*	2	Herm.	1725	Tecum.
CW3A	24	16½	22¾	38,650	*	2	Herm.	1725	Tecum.
AW2 (4)	26	51	26	24,000	*	2	Herm.	1725	Tecum.
AW3 (4)	26	51	26	36,000	*	2	Herm.	1725	Tecum.
* Varies depending upon furnace used. ** Gallons per hour.									
GENERAL AIR CONDITIONING CORP.									
"General"									
FL-2	30	43	21	24,000			Herm.	1725	Tecum.
RO-26*	30	34	21	24,000			Herm.	1725	Tecum.
RO-31HP*	30	40	25	37,700			Herm.	1725	Tecum.
RO-525A*	40	57	26	65,500			Herm.	1725	Tecum.
RO-10*	66	30	73	131,000			Herm.	1725	Tecum.
*These models available with heat pump.									
AMANA REFRIGERATION, INC.									
"Amana"									
200C	30⅜₁₆	20½	42¹⁵⁄₁₆	20,000		2			Tecum.
350C	30⅜₁₆	24⅛	42¹⁵⁄₁₆	34,000		2			Tecum.

COMPRESSOR MOTOR			BLOWER			BLOWER MOTOR		CONDENSER	EVAPORATOR COIL		REFRIGERANT		AIR FILTER			WATER USAGE (gpm/ton) 75F inlet 95F outlet
HP	RPM	Cooling Method	CFM	No.	RPM	No.	HP	Type	Face Area (sq. ft.)	No. Rows	Type	(lb.)	Type	No.	Dimension (inches)	
(2) 1			900			1	1/3	Air-Cooled			F22	2# 14				
(2) 1¾			1505			1	1/3	Air-Cooled			F22	5				
2	1725	Refnt.	800	1	*	1	*	Air	2.2	4	F-22	7-8	T	1	16 x 25 x 1	
2	1725	Refnt.	800	1	*	1	*	Water	2.2	4	F-22	7-8	T	1	16 x 25 x 1	95**
2	1725	Refnt.	800	1	*	1	*	Air	2.2	4	F-22	7-8	T	1	*	
2	1725	Refnt.	800	1	*	1	*	Water	2.2	4	F-22	7-8	T	1	*	95**
3	1725	Refnt.	1200	1	*	1	*	Air	2.8	4	F-22	7-8	T	1	*	
3	1725	Refnt.	1200	1	*	1	*	Water	2.8	4	F-22	7-8	T	1	*	95**
2	1725	Refnt.	800	1	*	1	*	Air	2.2	4	F-22	7-8	T	1	*	
3	1725	Refnt.	1200	1	*	1	*	Air	2.8	4	F-22	7-8	T	1	*	
2	1725	Refnt.	800	1	*	1	*	Water	2.2	4	F-22	7-8	T	1	*	95**
3	1725	Refnt.	1200	1	*	1	*	Water	2.8	4	F-22	7-8	T	1	*	95**
2	1725	Refnt.	800	1	*	1	*	Air	2.2	4	F-22	7-8	T	1	*	
3	1725	Refnt.	1200	1	*	1	*	Air	2.8	4	F-22	7-8	T	1	*	
2	1725	Refnt.	800	1	*	1	*	Water	2.2	4	F-22	7-8	T	1	*	95**
3	1725	Refnt.	1200	1	*	1	*	Water	2.8	4	F-22	7-8	T	1	*	95**
2	1725	Refnt.	800	1	*	1	*	Air	2.2	4	F-22	7-8	T	1	*	
3	1725	Refnt.	1200	1	*	1	*	Air	2.8	4	F-22	7-8	T	1	*	
2	1725	Refnt.	800	1	*	1	*	Water	2.2	4	F-22	7-8	T	1	*	95**
3	1725	Refnt.	1200	1	*	1	*	Water	2.8	4	F-22	7-8	T	1	*	95**
2	1725	Refnt.	800	1	*	1	*	Water	2.2	4	F-22	6	T	1	*	95**
3	1725	Refnt.	1200	1	*	1	*	Water	2.8	4	F-22	6	T	1	*	95**
2	1500	Refnt.	900	1	1000	1	1/6	Air-Cooled		4	F22	4	C	1	9 x 30	
2	1500	Refnt.	1000	1	1060	1	1/6	Air-Cooled		4	F22	4	C	1	9 x 30	
3	1500	Refnt.	1400	1	1100	1	1/3	Air-Cooled		4	F22	6	C	1	12 x 30	
5	1500	Refnt.	2400	1	600	1	3/4	Air-Cooled		4	F22	10	C	2	15 x 16	
10	1500	Refnt.	2400	1	600	1	3/4	Air-Cooled		4	F22		C	3	15 x 16	
2			1100	1	1100	1	1/3	Air Cooled	1.8	4	F22		T	1	14 x 20 x 1	
(2) 1¼			1400	1	1100	1	1/2	Air Cooled	2.5	4	F22		T	2	14 x 20 x 1	

Residential Air Conditioners

MODEL NO.	CABINET DIMENSIONS (in.)			COOLING CAPACITY (Btu/hr)	HEATING CAPACITY (Btu/hr)	COMPRESSOR			
	Width	Height	Depth			No. Cyl.	Type	RPM	Make
HEIL CO.									
"Heil"									
AC-201 203				24,000			Herm.		
AC-301 303				36,000			Herm.		
ACB-201 203				24,000			Herm.		
ACB-301 303				36,000			Herm.		
CH-201 203				24,000			Herm.		
CH-301 303				36,000			Herm.		
RECOLD CORP.									
"Recold"									
RE51	20	12¼	26	6200	17,000				
RE76	20	12¼	26	9200	25,000				
RE101	20	15¾	26	12,100	35,900				
REMINGTON CORP., AIR COND. DIV.									
"Remington"									
180	34⅝	37¼	21⅝	16,500		2	Herm.	1725	Tecum.
250	34⅝	37¼	21⅝	22,000		2	Herm.	1725	Tecum.
SERVEL, INC., AIR COND. DIV.									
"Servel"									
FC-96	55¼	74	26½	42,000	96,000		Absorp. Type		
DE-96	66¼	84½	57½	65,000	96,000		Absorp. Type		
DE-144	66¼	84½	57½	65,000	144,000		Absorp. Type		
*103F water outlet temperature.									
AUG. G. BARKOW MFG. CO., INC.									
"Barkow"									
RO3-A	34¾	23½	29½	36,000		2	Herm.	1725	Tecum.
RO5-A	40½	60¼	26½	60,000		(2) 2	Herm.	1740	Tecum.
FK2-W	31	63	22	24,000		2	Herm.	1725	Tecum.
FK3-W	31	63	22	36,000		2	Herm.	1725	Tecum.
FK5-W	38	66½	24¼	60,000		2	Semi-Herm.	1740	Cope.
FK75-W	52½	66½	24½	90,000		3	Semi-Herm.	1750	Cope.
*NOTE: Blower optional on FK models — also available with air cooled condenser.									

COMPRESSOR MOTOR			BLOWER			BLOWER MOTOR		CONDENSER	EVAPORATOR COIL		REFRIGERANT		AIR FILTER			WATER USAGE (gpm/ton) 75F inlet 95F outlet
HP	RPM	Cooling Method	CFM	No.	RPM	No.	HP	Type	Face Area (sq. ft.)	No. Rows	Type	(lb.)	Type	No.	Dimension (inches)	
2								Water Cooled			F22					
3								Water Cooled			F22					
2							¼	Water Cooled			F22			2	20 x 15 x 1	
3							⅓	Water Cooled			F22			2	20 x 15 x 1	
2						¼		Water Cooled			F22					
3						⅓		Water Cooled			F22					
			300	1	450 625	1	1/15		.94	2	F12 F22 Water		T		16 x 20 x ½	
			300	1	450 660	1	1/15		.94	4	F12 F22 Water		T		16 x 20 x ½	
			400	1	450 730	1	1/15		1.28	4	F12 F22 Water		T		16 x 20 x ½	
1½	1725	Air	790	2	1725	2	⅛ & ¼	Air Cooled	1.52	3	F12	3	C	1	30 x 10 x 1	
2	1725	Air	1100	2	1725	2	⅛ & ⅓	Air Cooled	1.52	3	F22	2¼	C	1	30 x 10 x 1	
			1400	1		1	⅓ to ½	Water-Cooled			Water		T	2	16 x 25 x 1	2*
			2000	1		1	½ to 1	Water-Cooled			Water		T	6	(2)20 x 20 x 2 (4) 10 x 20 x 2	2*
			2000	1		1	¾ to 1	Water-Cooled			Water		T	6	(2) 20 x 20 x 2 (4) 10 x 20 x 2	2*
3	1725	Refnt.						Air	2.21	4	F22	1½				
5	1740	Refnt.						Air	4.62	4	F22	(2) 2				
2	1725	Refnt.	800	1	650	1	¼	Water	1.64	4	F22	4	C	1	16 x 25 x 1	
3	1725	Refnt.	1200	1	650	1	¼	Water	2.25	4	F22	4	C	1	16 x 25 x 1	
5	1740	Refnt.	2000	1	700	1	⅓	Water	4.0	4	F12	6	C	2	15 x 20 x 1	
7½	1750	Refnt.	3000	2	618	1	½	Water	5.62	4	F12	18	C	2	15 x 20 x 1	

Residential Air Conditioners

A. O. SMITH CORP.

"Permaglas"

MODEL NO.	CABINET DIMENSIONS (in.)			COOLING CAPACITY (Btu/hr)	HEATING CAPACITY (Btu/hr)	COMPRESSOR			
	Width	Height	Depth			No. Cyl.	Type	RPM	Make
ACM-100-27				24,000	100,000*		Herm.		
ACM-100-29				24,000	100,000*		Herm.		
ACM-100-47				36,000	100,000*		Herm.		
ACM-100-49				36,000	100,000*		Herm.		
HAC-24-W	25¾	21⅞	42½	24,760			Herm.		Tecum.
HAC-36-W	25¾	21⅞	42½	38,650			Herm.		Tecum.
RAC-24-AB	34	23	38	22,500			Herm.		
RAC-36-AB	34	23	38	35,300			Herm.		
EH-2	17¾	19¼	24⅞						
EH-3	17¾	19¼	24⅞						
HAC-20AF				18,000		2	Herm.		
HAC-24AF				22,000		2	Herm.		
HAC-36AF				36,000		2	Herm.		
RAC-20AF-1	***			18,200					
RAC-24AF-1	***			22,600					
RAC-36AF-1	***			33,200					
RAC-60AF-1	***			56,000					

***Remote condensing unit for use in combination with full line of evaporators and air handling units in varying sizes and capacities for upward, downward or horizontal air flow.

THATCHER FURNACE CO.

"Thatcher"

WC21-H	25	57½	21½	24,760		2	Herm.	1725	Tecum.
WC23-H	25	57½	21½	24,760		2	Herm.	1725	Tecum.
WC31-H	25	57½	21½	38,650		2	Herm.	1725	Tecum.
WC33-H	25	57½	21½	38,650		2	Herm.	1725	Tecum.
WC51-H	35	66½	25	65,800		4	Herm.	1725	Tecum.
WC53-H	35	66½	25	65,800		4	Herm.	1725	Tecum.
AC21-H	36	24	44⅜	22,500		2	Herm.	1725	Tecum.
AC23-H	36	24	44⅜	22,500		2	Herm.	1725	Tecum.
AC31-H	36	24	44⅜	35,300		2	Herm.	1725	Tecum.
AC33-H	36	24	44⅜	35,300		2	Herm.	1725	Tecum.
AC51-H	41½	28	53	60,000		4	Herm.	1725	Tecum.
AC53-H	41½	28	53	60,000		4	Herm.	1725	Tecum.

NOTE: Co-axial condensers are water cooled; fine tube condensers are air cooled.

COMPRESSOR MOTOR			BLOWER			BLOWER MOTOR		CONDENSER	EVAPORATOR COIL		REFRIGERANT		AIR FILTER			WATER USAGE (gpm/ton) 75F inlet 95F outlet
HP	RPM	Cooling Method	CFM	No.	RPM	No.	HP	Type	Face Area (sq. ft.)	No. Rows	Type	(lb.)	Type	No.	Dimension (inches)	
2			1000				⅓									
2			1000				⅓									
3			1200				⅓									
3			1200				⅓									
2			800					Water Cooled	1.7	4	F22	2.11				3.2
3			1200					Water Cooled	2.9	4	F22	2.15				4.9
2								Air Cooled			F22	6				
3								Air Cooled			F22	6				
			800						2	4	F22	½				
			1200						2.9	4	F22	½				
1¾			500		1550	1	¼	Air-Cooled		4	F22			**		
2			800		1075	1	⅓	Air-Cooled		3	F22			**		
(2) 1¾			1200		1075	1	⅓	Air-Cooled		4	F22			**		
1¾								Air-Cooled			F22					
2								Air-Cooled			F22					
3								Air-Cooled			F22					
5								Air-Cooled			F22					
2		Refnt.	800	1		1	¼	Co-axial	1.73	4	F22	3	T	1	20 x 25 x 1	3.2
2		Refnt.	800	1		1	¼	Co-axial	1.73	4	F22	3	T	1	20 x 25 x 1	3.2
3		Refnt.	1200	1		1	⅓	Co-axial	2.91	4	F22	3	T	1	20 x 25 x 1	4.9
3		Refnt.	1200	1		1	⅓	Co-axial	2.91	4	F22	3	T	1	20 x 25 x 1	4.9
5		Refnt.	2000	1		1	½	Co-axial	4.23	4	F22	5	T	2	16 x 25 x 1	8.1
5		Refnt.	2000	1		1	½	Co-axial	4.23	4	F22	5	T	2	16 x 25 x 1	8.1
2		Refnt.	1800	1		1	¼	Fin Tube			F22					
2		Refnt.	1800	1		1	¼	Fin Tube			F22					
3		Refnt.	2500	1		1	⅓	Fin Tube			F22					
3		Refnt.	2500	1		1	⅓	Fin Tube			F22					
5		Refnt.	3500	1		1	½	Fin Tube			F22					
5		Refnt.	3500	1		1	½	Fin Tube			F22					

**Optional

*Gas fired. Also available in oil fired ACP series with 105,000 BTU heating capacity.

Residential Air Conditioners

WHIRLPOOL-SEEGER CORP.

"RCA Whirlpool"

MODEL NO.	CABINET DIMENSIONS (in.)			COOLING CAPACITY (Btu/hr)	HEATING CAPACITY (Btu/hr)	COMPRESSOR			
	Width	Height	Depth			No. Cyl.	Type	RPM	Make
RS-7200-3	29 13/16	23	32 1/16	17,500		2	Herm.	1725	Tecum.
RA-7200-3				19,500					
RC-7200-3	33 5/16	26 13/14	26 5/16			2	Herm.	1725	Tecum.
RE-7200-3	24 1/2	27 1/3	37 1/4*						
RA-7300-3				33,300					
RC-7300-3	35 5/16	29 1/3	30 13/16			2	Herm.	1725	Tecum.
RE-7300-3	24 1/2	27 1/3	37 1/4*						
RA-7300-7				33,300					
RC-7300-7	35 5/16	29 1/3	30 13/16			2	Herm.	1725	Tecum.
RE-7300-3	24 1/2	27 1/3	37 1/4*						
RA-7500-3				57,500					
RC-7500-3	45 5/16	37 1/3	31 5/16			4	Herm.	1725	Tecum.
RE-7500-3	39 3/16	32 5/32	42*						
RA-7500-7				57,500					
RC-7500-7	45 5/16	37 1/3	31 5/16			4	Herm.	1725	Tecum.
RE-7500-3	39 3/16	32 5/32	42*						

*Evaporator section includes both supply and return air plenum.

TYPHOON AIR CONDITIONING CO., DIV. OF HUPP CORP.

"Typhoon"

2ACCU*	40	45	25 1/2	24,900		2	Herm.	1750	Tecum.
2LSU	29	25	28	24,900					
3ACCU*	40	45	25 1/2	37,000		2	Herm.	1750	Tecum.
3LSU	29	25	28	37,000					
5ACCU*	52	52	27 1/2	60,600		2	Acces. Herm.	1750	Cope.
5LSU	37 1/2	30 1/8	32	60,600					
8ACCU*	62	56	35	88,000		3	Acces. Herm.	1750	Cope.
8LSU	37 1/2	30 1/8	32	88,000					
10ACCU	62	56	35	121,200		3	Acces. Herm.	1750	Cope.
10LSU	56	32	37	121,200					

* ACCU (Air cooled condensing unit) can be used with RECV (Remote Evaporator coil vertical) or RECH (Remote evaporator coil horizontal), which are connected to furnace supplied by others. ACCU with LSU (Lowside Unit) provides cooling only. Heating coil optional.

PERFECTION INDUSTRIES, DIV. OF HUPP CORP.

"Perfection"

1-H-261	22	59 1/2	22	24,000		2	Herm.	1725	
1-H-361*	22	59 1/2	22	36,000		2	Herm.	1725	
1-H-461*	26	66 1/2	26	48,000		2	Herm.	1725	
1-H-661*	26	66 1/2	26	72,000		4	Herm.	1725	
PA31C*	30	27	42	36,000					
PA51C*	30	27	64	60,000					
PAS21				24,000					
PAS31				36,000					

*Single phase models; corresponding 3-phase models available.

COMPRESSOR MOTOR			BLOWER			BLOWER MOTOR		CONDENSER	EVAPORATOR COIL		REFRIGERANT		AIR FILTER			WATER USAGE (gpm/ton) 75F inlet 95F outlet
HP	RPM	Cooling Method	CFM	No.	RPM	No.	HP	Type	Face Area (sq. ft.)	No. Rows	Type	(lb.)	Type	No.	Dimension (inches)	
2	1725	Refnt.	900 645	1 1	1100 1100	1	1/3	Air-Cooled	1.87	3	F22	2.25	T	2	12 x 24 x 1	
2	1725	Refnt.	1700 1015	1 1	820 1070	1 1	1/3 1/4	Air-Cooled	2.1	3	F22	2.75	T	2	12 x 24 x 1	
3	1725	Refnt.	2500 1200	1 1	710 1070	1 1	1/3 1/4	Air-Cooled	2.54	4	F22	4.88	T	2	12 x 24 x 1	
3	1725	Refnt.	2500 1200	1 1	710 1070	1 1	1/3 1/4	Air-Cooled	2.54	4	F22	4.88	T	2	12 x 24 x 1	
5	1725	Refnt.	4200 2000	1 1	665 845	1 1	3/4 3/4	Air-Cooled	4.12	4	F22	9.5	T	2	12 x 36 x 1	
5	1725	Refnt.	4200 2000	1 1	665 845	1 1	3/4 3/4	Air-Cooled	4.12	4	F22	9.5	T	2	12 x 36 x 1	
2	1750	Refrig.	2350	1		1	1/2	Air Cooled			F22					
			800	1	Var.	1	1/4		2.80	3	F22		T	1	25 x 20 x 1	
3	1750	Refrig.	3500	1		1	3/4	Air Cooled			F22					
			1200	1	Var.	1	1/4		2.80	4	F22		T	1	25 x 20 x 1	
5	1750	Refrig.	5800	2		1	1	Air Cooled			F12					
			2000	1	Var.	1	1/2		4.67	4	F12		T	2	16 x 25 x 1	
7 1/2	1750	Refrig.	7500	2		1	1 1/2	Air-Cooled			F12					
			3000	1	Var.	1	3/4		4.67	6	F12		T	2	16 x 25 x 1	
10	1750	Refrig.	8600	2		1	2	Air Cooled			F22					
			4000	1	Var.	1	1		8.1	5	F22		T	3	16 x 25 x 1	
	1725	Refnt.	900	1		1	1/4	Water-Cooled	2.25	3	F22	4 1/2		1	18 x 18 x 7/8	
	1725	Refnt.	1350	1		1	1/3	Water-Cooled	2.25	4	F22	5 1/2		1	18 x 18 x 7/8	
	1725	Refnt.	1800	1		1	1/2	Water-Cooled	3.05	5	F22	6 1/2		1	22 x 22 x 7/8	
	1725	Refnt.	2400	1		1	3/4	Water-Cooled	3.50	6	F22	8 1/2		1	22 x 22 x 7/8	
								Air-Cooled								
								Air-Cooled								
2			800				1/4	Air-Cooled	1.5	3	F22					
(2) 1 3/4			1200				(2) 1/4	Air-Cooled	2	4	F22					

Residential Air Conditioners

MODEL NO.	CABINET DIMENSIONS (in.)			COOLING CAPACITY (Btu/hr)	HEATING CAPACITY (Btu/hr)	COMPRESSOR			
	Width	Height	Depth			No. Cyl.	Type	RPM	Make
BRYANT MFG. CO.									
"Bryant"									
200-556	28 13/16	20 1/16	29 11/16	19,000		2	Herm.	1725	Tecum.
30-556	45 7/8	22	31	33,000		2	Herm.	1725	Tecum.
20-560	30 7/16	20 3/16	35 1/4	21,000		2	Semi-Herm.	1725	Own
30-560	30 7/16	20 3/16	35 1/4	30,000		2	Semi-Herm.	1725	Own
40-560	36 9/16	25 3/16	45 11/16	42,000		4	Semi-Herm.	1725	Own
50-560	36 9/16	25 3/16	45 11/16	54,000		4	Semi-Herm.	1725	Own
60-560	36 9/16	26 11/16	47 11/16	63,000		4	Semi-Herm.	1725	Own
25-577	34 3/4	72	28	22,000	100,000	2	Herm.	1725	Tecum.
2-590	25	63	28	26,300		2	Semi-Herm.	1750	Own
3-590	27	63	28	38,400		2	Semi-Herm.	1750	Own
5-590	33	68	28	58,000		4	Semi-Herm.	1750	Own
VIKING MFG. CORP.									
"Viking"									
VRE-2	39	25	25	20,000			Herm.		Tecum.
VR-2	39	25	25	22,700			Herm.		Tecum.
VH-261	22	59 1/2	22	24,000		2	Herm.	1725	Tecum.
VH-361	22	59 1/2	22	36,000		2	Herm.	1725	Tecum.
VH-461	26	66 1/2	26	48,000		2	Herm.	1725	Tecum.
VH-661	26	66 1/2	26	72,000		4	Herm.	1725	Tecum.
VHA-261	22	59 1/2	22	24,000		2	Herm.	1725	Tecum.
VHA-361	22	59 1/2	22	36,000		4	Herm.	1725	Tecum.
VHA-561	26	66 1/2	26	60,000		4	Herm.	1725	Tecum.
VCPB-2	29	55 1/2	25	23,700		2	Acces. Herm.	1750	Cope.
VCPB-3	29	55 1/2	25	36,000		2	Acces. Herm.	1750	Cope.
VCPB-5	40	60	26	58,800		2	Acces. Herm.	1750	Cope.
HCPB-2	30	23	29	23,700		2	Acces. Herm.	1750	Cope.
HCPB-3	30	23	29	36,000		2	Acces. Herm.	1750	Cope.
HCPB-5	30	30	36	58,800		2	Acces. Herm.	1750	Cope.
FCP-2	29	20	24	24,000		2	Acces. Herm.	1750	Cope.
FCP-3	29	20	24	36,000		2	Acces. Herm.	1750	Cope.
VR-3	39	25	25	33,600			Herm.		Tecum.
VSC-2	33	25	16	20,000			Herm.		Tecum.

COMPRESSOR MOTOR			BLOWER			BLOWER MOTOR		CONDENSER	EVAPORATOR COIL		REFRIGERANT		AIR FILTER			WATER USAGE (gpm/ton) 75F inlet 95F outlet
HP	RPM	Cooling Method	CFM	No.	RPM	No.	HP	Type	Face Area (sq. ft.)	No. Rows	Type	(lb.)	Type	No.	Dimension (inches)	
1¾	1725	Refnt.	700	1		1	⅛	Fin & Tube	2.11	3	F22	2.4	T	1	20 x 20 x 1	
3	1725	Refnt.	1000	1	1075	1	⅙	Fin & Tube	4.6	4	F22	5¾	C	1	12 x 32 x 1	
2	1725	Refnt.	1800	1		1	½	Fin & Tube			F12	14				
3	1725	Refnt.	1700	1		1	½	Fin & Tube			C7	16				
5	1725	Refnt.	2000	1		1	½	Fin & Tube			F12	19½				
5	1725	Refnt.	2475	1		1	¾	Fin & Tube			C7	19				
7½	1725	Refnt.	3900	1		1	1	Fin & Tube			C7	21				
2	1725	Refnt.	800	1	1060	1	⅙	Fin & Tube	3.75	2	F22	4⅛	T	1	16 x 25 x 1	
2	1750	Refnt.	800	1		1	⅓	Shell & Coil	1.75	4	F12	5½	T	1	14 x 25 x 1	
3	1750	Refnt.	1200	1		1	⅓	Shell & Coil	2.60	4	F22	6½	T	1	20 x 25 x 1	
5	1750	Refnt.	2000	1		1	¾	Shell & Coil	4.38	4	F22	9	T	2	16 x 25 x 1	
⅓		Air	1853	1				Shell-Tube	2.37	3	F22		T	1	20 x 20 x 1	
⅓		Air	1892	1				Shell-Tube	2.37	3	F22		T	1	20 x 20 x 1	
	1725	Refnt.	900	1	Var.	1	¼	Counterflow Water	2.25	3	F22	4½	C	1	18 x 18	180
	1725	Refnt.	1350	1	Var.	1	⅓	Counterflow Water	2.25	4	F22	5½	C	1	18 x 18	270
	1725	Refnt.	1800	1	Var.	1	½	Shell & Tube Water	3.05	5	F22	6½	C	1	22 x 22	360
	1725	Refnt.	2400	1	Var.	1	¾	Shell & Tube Water	3.50	6	F22	8½	C	1	22 x 22	540
	1725	Refnt.	900	1	Var.	1	¼	Counterflow Air	2.25	3	F22	6½	C	1	18 x 18	
	1725	Refnt.	1350	1	Var.	1	⅓	Counterflow Air	2.25	4	F22	7½	C	1	18 x 18	
	1725	Refnt.	1800	1	Var.	1	½	Shell & Tube Air	3.05	5	F22	10	C	1	22 x 22	
	1750	Refnt.	800	1	Var.	1	¼	Air	2.25	3	F12	19.35	T	1	20 x 25	
	1750	Refnt.	1200	1	Var.	1	⅓	Air	3.33	4	F12	19.35	T	1	20 x 25	
	1750	Refnt.	2000	1	Var.	1	½	Air	5.3	5	F12	22.5	T	2	20 x 20	
	1750	Refnt.	800	1	Var.	1	¼	Air	2.25	3	F12	19.35	T	1	20 x 25	
	1750	Refnt.	1200	1	Var.	1	⅓	Air	3.35	4	F12	19.35	T	1	20 x 25	
	1750	Refnt.	2000	1	Var.	1	½	Air	5.3	5	F12	22.5	T	2	20 x 20	
	1750	Refnt.	800	1	Var.	1	¼	Air	2.25	3	F12	19.35	T			
	1750	Refnt.	1200	1	Var.	1	⅓	Air	3.35	4	F12	19.35	T			
⅓		Air	2170	1				Shell-Tube	3.44	3	F22		T	1	20 x 20 x 1	
⅓		Air	910	1		1	⅓	Shell-Tube	1.5	5	F22					

Residential Air Conditioners

AIRTEMP DIV., CHRYSLER CORP.

"Airtemp"

MODEL NO.	CABINET DIMENSIONS (in.) Width	Height	Depth	COOLING CAPACITY (Btu/hr)	HEATING CAPACITY (Btu/hr)	COMPRESSOR No. Cyl.	Type	RPM	Make
CONDENSING UNITS — Air Cooled									
1218	32 3/8	23 27/32	37 1/2	19,000		2	Herm.	1750	Tecum.
1205-1	36 1/8	32 5/16	51 1/8	50,400		5	Herm.	1750	Own
1203-1	32 3/8	23 27/32	37 1/2	33,150		4	Herm.	3500	Own
CONDENSING UNITS — Water Cooled									
1302-1	35	35 1/2	19 3/4	23,500		4	Herm.	3500	Own
1303-3	35	35 1/2	19 3/4	38,400		4	Herm.	3500	Own
1305-2	48 7/8	35 1/2	19 3/4	64,300		5	Herm.	1750	Own
EVAPORATOR BLOWER UNITS									
1402-2	35	44 3/8	19 3/4	25,200					
1403-3	35	44 3/8	19 3/4	38,520					
1405-2	48 7/8	50 27/32	19 3/4	64,200					
1473-1	35	24 1/4	32 1/2	38,400					
1465-1	48 7/8	24 1/4	41 1/16	64,300					
1488	48 7/8	24 1/4	41 1/16	100,200					
EVAPORATOR COILS DESIGNED FOR FURNACES									
1493-3	19 1/16	14 3/16	24 1/4	38,400	FOR UPFLOW FURNACES				
1498	23	15 3/4	32	64,300					
1443-1	19	14 7/32	31 3/8	38,400	FOR COUNTERFLOW FURNACES				
1445	19	14 7/32	44 3/8	64,300					

WILLIAMSON CO.

"Wethermatic"
"Cool-Air"
"AIRefrigeration"

REMOTE CONDENSING UNITS – AIR COOLED									
1 1/2 Ton	34 1/2	17	23 1/2	18,000		2	Open	1725	Cope.
1 3/4 Ton	34 1/2	17	23 1/2	21,500		2	Herm.	1725	Tecum.
2 Ton	49	33	22	24,000		2	Open	1725	Cope.
2 1/2 Ton	49	33	22	30,000		2	Herm.	1725	Tecum.
3 Ton	49	33	22	36,000		2	Open	1725	Cope.
4 Ton	52 1/2	33	29 1/2	48,000		2	Open	1725	Cope.
5 Ton	54	56 1/2	22	60,000		2	Open	1725	Cope.
7 1/2 Ton	68	60 3/4	26 1/2	90,000		3	Open	1725	Cope.

NOTE: 49 models of evaporator assemblies in matching capacities and with or without blowers and filters are available for use with these remote condensing units.

COMPRESSOR MOTOR			BLOWER			BLOWER MOTOR		CONDENSER	EVAPORATOR COIL		REFRIGERANT		AIR FILTER			WATER USAGE (gpm/ton) 75F inlet 95F outlet
HP	RPM	Cooling Method	CFM	No.	RPM	No.	HP	Type	Face Area (sq. ft.)	No. Rows	Type	(lb.)	Type	No.	Dimension (inches)	
2	1750	Refnt.	1600	1	440	1	¼	Air-Cooled			F22					
5	1750	Refnt.	3800	1	425	1	¾	Air-Cooled			F12					
3	3500	Refnt.	2250	1	525	1	⅓	Air-Cooled			F22					
2	3500	Refnt.						Shell & Tube			F12					
3	3500	Refnt.						Shell & Tube			F22					
5	1750	Refnt.						Shell & Tube			F12					
			800		620	1	¼		3.21	3	F12		T	1	15 x 30⅛ x 1	
			1200		890	1	⅓		3.21	3	F22		T	1	15 x 30⅛ x 1	
			2000		528	2	½		5.30	3	F12		T	2	22 x 22 x 1	
									3.2	3	F12 F22					58
									5.33	3	F12					105
									4.25	2	F12 F22					54
									6.49	2	F12					68
1½	1725	Air		2	1550	2	1/30	Tube & Fin			F12	6				
1¾	1750	Refnt.		2	1550	2	1/12	Tube & Fin			F22	7				
2	1725	Refnt.		1	800	1	¼	Tube & Fin			F12	9				
3	1750	Refnt.		1	900	1	⅓	Tube & Fin			F22	10				
3	1725	Refnt.		1	900	1	⅓	Tube & Fin			F12	12				
5	1725	Refnt.		1	850	1	½	Tube & Fin			F12	17				
5	1725	Refnt.		2	900	2	⅓	Tube & Fin			F12	21				
7½	1725	Refnt.		2	700	2	½	Tube & Fin			F12	32				

Residential Air Conditioners

YORK CORP., SUB. OF BORG-WARNER CORP.

"Yorkaire"

MODEL NO.	CABINET DIMENSIONS (in.)			COOLING CAPACITY (Btu/hr)	HEATING CAPACITY (Btu/hr)	COMPRESSOR			
	Width	Height	Depth			No. Cyl.	Type	RPM	Make
R2G100W R2F84W	36½	62½	26	24,800	100,000 105,000	(2) 2	Herm.	1750	Own
R2G100A R2F84A	36½	62½	26	23,500	100,000 105,000	(2) 2	Herm.	1750	Own
R3G140W R3F112W	44½	66	29	36,000	140,000	(2) 3	Herm.	1750	Own
R3G140A R3F112A	44½	66	29	33,500	140,000	(2) 3	Herm.	1750	Own
R5G175W R5F140W	51	68	50	62,400	175,000	6	Herm.	1750	Own
C2G100W C2F84W	36½	73	26	24,800	100,000 105,000	(2) 2	Herm.	1750	Own
C2G100A C2F84A	36½	73	26	24,800	100,000 105,000	(2) 2	Herm.	1750	Own
C3G140W C3F112W	44½	75	29	36,000	140,000	(2) 3	Herm.	1750	Own
C3G140A C3F112A	44½	75	29	36,000	140,000	(2) 3	Herm.	1750	Own
HC11	17 5/16	22	16¾	12,880		2	Herm.	1750	Own
HC152	25	22	16¾	18,170		3	Herm.	1750	Own
R2Y	29 5/16	48	16 5/16	24,800		(2) 2	Herm.	1750	Own
HCS250A -D50*	25⅛	32½	23 5/16	23,450		(2) 2	Herm.	1750	Own
HCS353A -D50*	37½	32½	23 5/16	33,420		(2) 3	Herm.	1750	Own
R3Y	28 5/16	48	18 5/16	36,000		(2) 3	Herm.	1750	Own
HC354	35	48	23	39,000		3	Herm.	1750	Own
HC554	42	48	23	68,160		4	Herm.	1750	Own
HC752	46	51½	27	97,200		6	Herm.	1750	Own
HCF204A	28	18	36	17,900		2	Herm.	1750	Tecum.
HCF204AR	28	18	36	17,900	16,200	2	Herm.	1750	Tecum.
P20	28	21¾	45	23,400		2	Herm.	1750	Own
P20F	28	21¾	45	23,400		2	Herm.	1750	Own
P30	36	24	49	36,600		2	Herm.	1750	Tecum.
P30F	36	24	49	36,600		2	Herm.	1750	Tecum.
CA20	33	25⅛	29½	23,000		2	Herm.	1750	Tecum.
CA30	39	27¾	34	34,500		3	Herm.	1750	Own
HCS500A	48⅛	30	38⅛	54,000		6	Herm.	1750	Own
HCS750A	64⅛	33	38⅛	81,000		6	Herm.	1750	Own
CW20	37½	28¼	28½	27,000		3	Herm.	1750	Own
CW30	37½	28¼	28½	40,000		3	Herm.	1750	Own
CW50	37½	28¼	28½	65,000		4	Herm.	1750	Own
CW75	37½	28¼	28½	96,000		6	Herm.	1750	Own

* Evaporator coil in duct, so refrigerant charge includes 50' of mains.

COMPRESSOR MOTOR			BLOWER			BLOWER MOTOR		CONDENSER	EVAPORATOR COIL		REFRIGERANT		AIR FILTER			WATER USAGE (gpm/ton) 75F inlet 95F outlet
HP	RPM	Cooling Method	CFM	No.	RPM	No.	HP	Type	Face Area (sq. ft.)	No. Rows	Type	(lb.)	Type	No.	Dimension (inches)	
(2)1	1750	Refnt.	800	1	858	1	¼	Water Cooled	2.6	3	F22	3.5	T	1	16 x 25 x 1	1.5
(2)1	1750	Refnt.	800	1	858	1	¼	Air Cooled	2.6	3	F22	3.5	T	1	16 x 25 x 1	
(2)1½	1750	Refnt.	1200	1	933	1	⅓	Water Cooled	3.82	3	F22	3.75	T	1	20 x 25 x 1	1.5
(2)1½	1750	Refnt.	1200	1	933	1	⅓	Air Cooled	3.82	3	F22	3.75	T	1	20 x 25 x 1	
5	1750	Refnt.	2000	2	851	1	½	Water Cooled	5.9	3	F22	10.6	T	2	20 x 25 x 1	1.5
(2)1	1750	Refnt.	800	1	858	1	¼	Water Cooled	2.6	3	F22	3.5	T	1	20 x 25 x 1	1.5
(2)1	1750	Refnt.	800	1	858	1	¼	Air Cooled	2.6	3	F22	3.5	T	1	20 x 25 x 1	
(2)1½	1750	Refnt.	1200	1	933	1	⅓	Water Cooled	3.82	3	F22	3.75	T	2	16 x 20 x 1	1.5
(2)1½	1750	Refnt.	1200	1	933	1	⅓	Air Cooled	3.82	3	F22	3.75	T	2	16 x 20 x 1	
1	1750	Refnt.						Water Cooled	1.18	3	F22	1.75				1.5
1½	1750	Refnt.						Water Cooled	1.77	3	F22	1.87				1.5
(2)1	1750	Refnt.						Water Cooled	2.6	3	F22	3.5				1.5
(2)1	1750	Refnt.						Air Cooled	2.6	3	F22	7.13				
(2)1½	1750	Refnt.						Air Cooled	3.82	3	F22	9.1				
(2)1½	1750	Refnt.						Water Cooled	3.82	3	F22	3.75				1.5
3	1750	Refnt.						Water Cooled	3.77	3	F22	7	C	4	10⅞ x 13⅛ x 1	1.5
5	1750	Refnt.						Water Cooled	5.3	3	F22	8.6	C	4	10⅞ x 18⅛ x 1	1.5
7½	1750	Refnt.						Water Cooled	8.7	3	F22	10	C	4	15⅞ x 20⅜ x 1	1.5
1¾	1750	Refnt.	550	2	1700	1	¼	Air	1.33	4	F22		C	1	11¾ x 23¾ x ½	
1¾	1750	Refnt.	550	2	1700	1	¼	Air	1.33	4	F22		C	1	11¾ x 23¾ x ½	
(2) 1	1750	Refnt.						Air	1.88	3	F22	2# 1	C	1	12¾ x 23⅜ x ½	
(2) 1	1750	Refnt.	900	1	1075	1	¼	Air	1.88	3	F22	2# 1	C	1	12¾ x 23⅜ x ½	
(2) 1¾	1750	Refnt.						Air	3.06	3	F22	2# 11	C	1	14 x 30 x 1	
(2) 1¾	1750	Refnt.	1200	1	1075	1	⅓	Air	3.06	3	F22	2# 11	C	1	14 x 30 x 1	
2	1750	Refnt.						Air			F22					
3	1750	Refnt.						Air			F22					
5	1750	Refnt.						Air			F22					
7½	1750	Refnt.						Air			F22					
2	1750	Refnt.						Water			F12					1.5
3	1750	Refnt.						Water			F22					1.5
5	1750	Refnt.						Water			F22					1.5
7½	1750	Refnt.						Water			F22					1.5

NOTE: CA, HCS, and CW model are remote field-charged condensing units for use with various types of evaporator coils, blowers, and plenums.

Residential Air Conditioners

MODEL NO.	CABINET DIMENSIONS (in.)			COOLING CAPACITY (Btu/hr)	HEATING CAPACITY (Btu/hr)	COMPRESSOR			
	Width	Height	Depth			No. Cyl.	Type	RPM	Make
CRANE CO. "Sunnyland"									
2-A-100	36½	62½	26	23,500	80,000		Open		West.
2-O-84	36½	62½	26	23,500	84,000		Open		West.
2-HC-100	36½	73	26	23,500	80,000		Open		West.
2-OHC-84	36½	73	26	23,500	84,000		Open		West.
3-A-140	44½	66	29	37,350	112,000		Open		West.
3-O-112	44½	66	29	37,350	112,000		Open		West.
3-HC-140	44½	75	29	37,350	112,000		Open		West.
3-OHC-112	44½	75	29	37,350	112,000		Open		West.
5-A-175	51	68	50	62,900	140,000		Open		West.
5-O-140	51	68	50	62,900	140,000		Open		West.
5-A-140	51	68	50	62,900	112,000		Open		West.
5-O-112	51	68	50	62,900	112,000		Open		West.
CA-2	26	33½	36	21,530			Open		West.
CA-3	29	37½	36	34,300			Open		West.
CA-5	30	47½	51½	54,600			Open		West.
311-W	18	49	29	37,350			Open		West.
H-311-W	18	65	29	37,350			Open		West.
H-511-W	41	50	23	60,000			Open		West.
JB200HT	33½	19½	24	21,400		2	Herm.		Tecum.
JE300HT	33½	19½	26	32,700		2	Herm.		Tecum.
ZR500H	45	33	28	51,400		2	Open		Cope.
BW-2	21	21½	21½	28,000		2	Herm.		Tecum.
BW-3	21	21½	21½	42,000		2	Herm.		Tecum.
BA-2	44½	26	32	25,500		2	Herm.		Tecum.
BA-3	44½	26	32	38,500		2	Herm.		Tecum.
CA5A-X	37	33¾	37	60,000		2	Herm.		Tecum.
*Also available in air-cooled models with correspondingly lower cooling capacities.									
CURTIS MFG. CO., REFRIGERATION DIV. "Curtis"									
AIR COOLED CONDENSING UNITS									
AU-400	29	29	37½	34,300		2	Herm.	1750	Tecum.
AU-600	34	29	44	59,900		4	Herm.	1750	Tecum.
AU-800	34	35¾	52	84,000		2	Semi-Herm.	1750	Cope.

COMPRESSOR MOTOR			BLOWER			BLOWER MOTOR		CONDENSER	EVAPORATOR COIL		REFRIGERANT		AIR FILTER			WATER USAGE (gpm/ton) 75F inlet 95F outlet
HP	RPM	Cooling Method	CFM	No.	RPM	No.	HP	Type	Face Area (sq. ft.)	No. Rows	Type	(lb.)	Type	No.	Dimension (inches)	
2	1750	Refnt.	800	1		1	¼	Water*	2.43	2	F12		T	1	25 x 16 x 1	2.5
2	1750	Refnt.	800	1		1	¼	Water*	2.43	2	F12		T	1	25 x 16 x 1	2.5
2	1750	Refnt.	800	1		1	¼	Water*	2.43	2	F12		T	1	25 x 20 x 1	2.5
2	1750	Refnt.	800	1		1	¼	Water*	2.43	2	F12		T	1	25 x 20 x 1	2.5
3	1750	Refnt.	1200	1		1	⅓	Water*	3.47	2	F22		T	1	25 x 20 x 1	3.0
3	1750	Refnt.	1200	1		1	⅓	Water*	3.47	2	F22		T	1	25 x 20 x 1	3.0
3	1750	Refnt.	1200	1		1	⅓	Water*	3.47	2	F22		T	2	20 x 16 x 1	3.0
3	1750	Refnt.	1200	1		1	⅓	Water*	3.47	2	F22		T	2	20 x 16 x 1	3.0
5	1750	Refnt.	2000	1		1	½	Water*	5.95	3	F12		T	2	25 x 20 x 1	3.0
5	1750	Refnt.	2000	1		1	½	Water*	5.95	3	F12		T	2	25 x 20 x 1	3.0
5	1750	Refnt.	2000	1		1	½	Water*	5.95	3	F12		T	2	25 x 20 x 1	3.0
5	1750	Refnt.	2000	1		1	½	Water*	5.95		F12		T	2	25 x 20 x 1	3.0
2	1750	Refnt.						Air	2.80	3	F12					
3	1750	Refnt.						Air	4.25	3	F22					
5	1750	Refnt.						Air	6.97	3	F12					
3	1750	Refnt.						Water			F22					3.0
3	1750	Refnt.						Water			F22					3.0
5	1750	Refnt.						Water			F12					3.0
2	1750	Refnt.						Air	2.12	2	F22					
3	1750	Refnt.						Air	3.36	2	F22					
5	1750	Refnt.						Air	5.30	2	F12					
2	1750	Refnt.						Water		2	F22					3.2
3	1750	Refnt.						Water		3	F22					4.9
2	1750	Refnt.						Air		2	F22					
3	1750	Refnt.						Air		3	F22					
5	1750	Refnt.						Air		4	F22					
3	1750	Refnt.	2500	1	435	1	⅓	Air-Cooled	4.75	4	F22					
5	1750	Refnt.	3600	1	380	1	½	Air-Cooled	9.5	4	F22					
7½	1750	Refnt.	5400	1	380	1	¾	Air-Cooled	14.25	4	F22					

Residential Air Conditioners

WORTHINGTON CORP.

"Worthington"

MODEL NO.	CABINET DIMENSIONS (in.)			COOLING CAPACITY (Btu./hr.)	HEATING CAPACITY (Btu./hr.)	COMPRESSOR			
	Width	Height	Depth			No. Cyl.	Type	RPM	Make
RAC-200 RAA-200	42 1/4 40 1/4	36 7/8 23	28 1/8	23,600		2	Herm.	1750	Own
RAC-400 RAA-400	47 1/4 45 1/4	40 3/4 26 7/8	30 1/2	37,000		2	Herm.	1750	Own
RAC-600 RAA-600	55 1/4 64 1/4	36 7/8 27 1/8	28 1/8 28	54,600		3	Herm.	1750	Own
RWR-200 RWC-200	38 39 3/16	59 19 3/4	28 16 5/16	24,000		2	Herm.	1750	Own
RWR-400 RWC-400	38 39 3/16	59 19 3/4	28 16 15/16	36,000		2	Herm.	1750	Own
RWR-600 RWC-600	38 39 3/16	65 19 3/4	29 16 15/16	60,000		3	Herm.	1750	Own
RWR-800	46	79 1/8	33 5/8	90,000		5	Herm.	1750	Own
RWC-800	47 13/16	21 1/4	21 1/2						
RXE-240	21 3/4	7 5/8	38						
RXE-440	21 3/4	7 5/8	38						
RXE-640	23 1/2	9 3/8	38						
RXE-840	27 1/4	7 5/8	46						
RXE-230	15	23 1/4	24 7/16						
RXE-430	15	23 1/4	24 7/16						
RXE-630	17 1/4	26 3/8	28 15/16						
RAC-810	67	41 1/4	31 5/8	91,920		5	Herm.	1750	Own
RAA-820	69	36 5/8	32 21/32						

*Uses both F12 and F22

NOTE: RAC — air-cooled condensing units; RAA — air-cooled condenser; RWR — basic cooling cycle including compressor, condenser, and cooling coil; RWC — water-cooled condensing unit; RXE-230 Series — V-type furnace coil; RXE-240 Series — blower coil unit.

MITCHELL MFG. CO.

"Mitchell"

QR-200	26 1/4	16 1/4	31 1/2	20,000		2	Herm.		Tecum.
TA-400	30	24 1/2	42	37,000		(2) 2	Herm.		Tecum.
C-200	31 1/4	66 1/2	24	27,600		2	Herm.	1725	Tecum.
C-300	31 1/4	66 1/2	24	38,400		2	Herm.	1725	Tecum.
C-500	41 1/4	66 1/2	24	63,600		4	Herm.	1725	Tecum.
CA-200	31 1/4	66 1/2	24	22,800		2	Herm.	1725	Tecum.
CA-300	31 1/4	66 1/2	24	33,600		2	Herm.	1725	Tecum.
CA-500	41 1/4	66 1/2	24	58,600		4	Herm.	1725	Tecum.
RA-200	29	20 1/4	24 3/4	22,000		2	Herm.	1725	Tecum.
RA-300	90	26	28 1/4	36,000		2	Herm.	1725	Tecum.
RA-500	46	37	32	60,000		4	Herm.	1725	Tecum.

* Accessory only.

NOTE: RA models also available with blower coil units.

COMPRESSOR MOTOR			BLOWER			BLOWER MOTOR		CONDENSER	EVAPORATOR COIL		REFRIGERANT		AIR FILTER			WATER USAGE (gpm/ton) 75F inlet 95F outlet
HP	RPM	Cooling Method	CFM	No.	RPM	No.	HP	Type	Face Area (sq. ft.)	No. Rows	Type	(lb.)	Type	No.	Dimension (inches)	
2	1750	Refnt.	2200	1	585	1	1/3	Coil-fins			F12	7 3*				
3	1750	Refnt.	3300	1	510	1	1/2	Coil-fins			F22	9 4*				
5	1750	Refnt.	5500	2	665	1	1	Coil-fins			F22	11 5*				
2	1750	Refnt.	800	1	1725	1	1/3	Shell-Coil	2.71	3	F12	6 4	T	2	20 x 16 x 1 20 x 20 x 1	
3	1750	Refnt.	1200	1	1725	1	1/3	Shell-Coil	2.71	3	F22	8 6	T	2	20 x 16 x 1 20 x 20 x 1	
5	1750	Refnt.	2000	1	1725	1	1/2	Shell-Coil	4.09	4	F22	9 7	T	2	20 x 16 x 1 20 x 20 x 1	
7.5	1750	Refnt.	3000		1725	1	3/4	Shell-Coil	6.25	4	F22	11.5	C	2	23¾ x 22¾ x 7/8	
								Shell-Coil			F22	8				
			800	1	1725	1	1/3		2.71	3	F12	2	T	2	20 x 16 x 1 20 x 20 x 1	
			1200	1	1725	1	1/3		3.44	3	F22	2.5	T	2	20 x 16 x 1 20 x 20 x 1	
			2000	1	1725	1	1/2		4.09	4	F22	4.5	T	2	20 x 16 x 1 20 x 20 x 1	
			3000	1	1725	1	3/4		6.25	4	F22	6.0	C	2	22¾ x 22¾ x 7/8	
									3.21	3	F12	3.5				
									3.21	3	F22	3.3				
									4.8	3	F22	4.7				
7.5	1750	Refnt.	6500	2	550	1	1½	Coil-Fins			F22	15 10*				
2		Refnt.	600	1		1	1/6	Air-Cooled	2.13	4	F22		T	1		
(2) 2		Refnt.	1200	2	1100	2	1/4	Air-Cooled	2.63	4	F22		T	1	30 x 14 x 1	
2	1725	Refnt.	800	1	Var.		1/4	Tube in Tube	3.06	3	F22	4.75	T	1	20 x 22 x 1	3
3	1725	Refnt.	1200	1	Var.		1/3	Tube in Tube	3.06	4	F22	5.75	T	1	20 x 22 x 1	4½
5	1725	Refnt.	2000	2	Var.		1/2	Tube in Tube	4.82	4	F22	12	T	2	20 x 22 x 1	7½
2	1725	Refnt.	800	1	Var.		1/4	Air-Cooled	3.06	3	F22		T	1	20 x 22 x 1	
3	1725	Refnt.	1200	1	Var.		1/3	Air-Cooled	3.06	4	F22		T	1	20 x 22 x 1	
5	1725	Refnt.	2000	2	Var.		1/2	Air-Cooled	4.82	4	F22		T	2	20 x 22 x 1	
2	1725	Refnt.	*					Air-Cooled	2.14	3	F22					
3	1725	Refnt.	*					Air-Cooled								
5	1725	Refnt.	*					Air-Cooled								

Residential Air Conditioners

MODEL NO.	CABINET DIMENSIONS (in.)			COOLING CAPACITY (Btu/hr)	HEATING CAPACITY (Btu/hr)	COMPRESSOR			
	Width	Height	Depth			No. Cyl.	Type	RPM	Make
DAY & NIGHT MFG. CO.									
"Day & Night"									
220-AC	29½	20¾	39⅝	22,000		4	Herm.	1725	Tecum.
175T-ACR	24½	24	27	19,000	75,000 80,000	2	Herm.	1725	Tecum.
ACR-4A	32⅛	26⅝	35⅝	27,800	90,000 100,000 135,000	2	Semi-Herm.	1725	Own
ACR-6A	36	26⅝	43	34,200	90,000 100,000 135,000 170,000	4	Semi-Herm.	1725	Own
ACR-7A	36	26⅝	48½	49,650	135,000 170,000 200,000	4	Semi-Herm.	1725	Own
ACR-8A	60	31½	46½	75,000		6	Semi-Herm.	1725	Own
175T-ACR-U	14	13	22	19,000	Matches 75,000 and 80,000 upflow furnace.				
175T-ACR-M	24	24	14	19,000	For addition to upflow, downflow, or horizontal furnace.				
ACR-4A-UD	20	17	22	27,800	Matches 90,000, 100,000 and 135,000 upflow furnace, and 100,000 and 135,000 downflow furnace.				
ACR-4A-H	26⅝	16	16¾	25,800	For addition to horizontal furnace.				
ACR-6A-UD	25½	19¾	22⅞	39,200	Matches 135,000, 170,000 and 200,000 upflow furnace and 135,000 downflow furnace.				
ACR-6A-H	32⅝	16	20¹³⁄₁₆	39,200	For addition to horizontal furnace.				
ACR-7A-UD	30¹⁄₁₆	22⅛	22⅞	49,650	Matches 170,000 and 200,000 upflow furnace.				
ACR-7A-H	44⅝	16	18⅛	49,650	For addition to horizontal furnace.				
ACR-8A-H	34	27½	7½	75,000	For addition to horizontal furnace.				
FRIGIDAIRE DIV., GENERAL MOTORS CORP.									
"Frigidaire"									
AGT-29N	46	75	36½	24,300	108,000*	2	Herm.	1725	Own
AGT-39N	46	75	36½	35,400	108,000*	2	Herm.	1725	Own
ACW-200	23	43⅜	34½	24,300		2	Herm.	1725	Own
ACW-300	25	49¼	38½	37,200		2	Herm.	1725	Own
ACW-500	28	56¼	38½	59,800		2	Herm.	1725	Own
CBW-200L	36¼	24¾	23			2	Herm.	1725	Own
CBW-300L	40¼	30⅝	25			2	Herm.	1725	Own
CBW-500L	40¼	37⅝	28			2	Herm.	1725	Own
CARW-200	28⅛	27¼	44⅛	33,600		2	Herm.	1725	Own
CARW-300	28⅛	27¼	48⅛	53,100		2	Herm.	1725	Own
CARW-500	28⅛	37¼	62⅛	76,100		2	Herm.	1725	Own
KW-20	28⅛	27	44⅛						
KW-30	28⅛	27	44⅛						
KW-50	28⅛	37	54⅛						

*Use blower from forced air furnaces.
**Use furnace filter.

*Also available in oil-fired AOT series with heating capacity of 84,000 Btu/hr.

COMPRESSOR MOTOR			BLOWER			BLOWER MOTOR		CONDENSER	EVAPORATOR COIL		REFRIGERANT		AIR FILTER			WATER USAGE (gpm/ton) 75F inlet 95F outlet
HP	RPM	Cooling Method	CFM	No.	RPM	No.	HP	Type	Face Area (sq. ft.)	No. Rows	Type	(lb.)	Type	No.	Dimension (inches)	
	1725	Refnt.	880	1	1100	1	1/3	Air-Cooled	1.9	3	F22	3# 2	T	1	8 x 24 x ½	
	1725	Refnt.	1600	1	600	1	1/12	Air-Cooled			F22	2# 9				
	1725	Refnt.	2000	1	1725	1	1/3	Air-Cooled			C7	10# 8				
	1725	Refnt.	3000	1	1725	1	½	Air-Cooled			F12	15# 4				
	1725	Refnt.	3200	1	1725	1	½	Air-Cooled			C7	18				
	1725	Refnt.	5600	1	1725	1	1	Air-Cooled			C7	29				
				*					2.22	3	F22			**		
				*					2.22	3	F22			**		
				*					2.66	3	F22			**		
				*					2.95	2	C7			**		
				*					3.65	3	F12			**		
				*					4.35	2	F12			**		
				*					4.50	3	C7			**		
				*					5.30	2	C7			**		
				*					5.0	4	C7			**		
2	1725		915	1		1	½	Water Air								
3	1725		1100	1		1	½	Water Air								
2	1725		880	1	865	1	¼	Shell & Coil	2.04	4	F12	7½	T	1	16 x 20 x 1	
3	1725		1230	1	780	1	1/3	Shell & Coil	3.02	4	F12	10	T	1	25 x 20 x 1	
5	1725		2000	1	735	1	½	Shell & Coil	4.38	4	F12	8	T	2	16 x 25 x 1	
			880	1		1	¼						T	1	16 x 20 x 1	
			1230	1		1	1/3						T	1	25 x 20 x 1	
			2000	1		1	½						T	2	16 x 25 x 1	
2	1725		1850	1	480	1	¼	Air-Cooled			F12	Hold				
3	1725		2700	1	480	1	1/3	Air-Cooled			F12	Hold				
5	1725		4200	1	525	1	½	Air-Cooled			F12	Hold				
			1850	1	480	1	¼	Air-Cooled			F12	6				
			2700	1	480	1	1/3	Air-Cooled			F12	8				
			4200	1	525	1	½	Air-Cooled			F12	10				

Commercial Air Conditioners

AIRTEMP DIV., CHRYSLER CORP.

"Airtemp"

MODEL NO.	COOLING CAPACITY (Btu/hr)	CABINET DIMENSIONS (in.)			COMPRESSOR				
		Width	Heigh.	Depth	Type	No. Cyl.	Bore & Stroke (inches)	RPM	Make
1002-2	25,200	35	83¾*	19¾	Herm.	4	1 x 1⅝	3500	Own
1003-3	38,520	35	83¾*	19¾	Herm.	4	1 x 1⅝	3500	Own
1005-2	64,200	48⅞	90³²/₃₂*	19¾	Herm.	5	1⅞ x 1½	1750	Own
1008-2	96,000	48⅞	93³²/₃₂*	19¾	Herm.	5	1⅞ x 1½	1750	Own
1011	132,000	58	97*	28	Herm.	5	1⅞ x 1⅛	3500	Own
1015	180,000	58	105*	28	Herm.	5	1⅞ x 1½	3500	Own
CONDENSING UNITS — AIR COOLED									
1218	19,000	32⅜	23²⁷/₃₂	37½	Herm.	2	1⅝ x 1¼₄	1750	Tecum.
1203-1	33,150	32⅜	23²⁷/₃₂	37½	Herm.	4	1 x 1⅝	3500	Own
1205-1	50,400	36⅝	32⅝	51⅛	Herm.	5	1⅞ x 1½	1750	Own
1208	79,500	58	63	28	Herm.	5	1⅞ x 1½	1750	Own
CONDENSING UNITS — WATER COOLED									
1302-1	23,500	35	35½	19¾	Herm.	4	1 x 1⅝	3500	Own
1303-3	38,400	35	35½	19¾	Herm.	4	1 x 1⅝	3500	Own
1305-2	64,300	48⅞	35½	19¾	Herm.	5	1⅞ x 1½	1750	Own
1208-2	100,200	48⅞	35½	19¾	Herm.	5	1⅞ x 1½	1750	Own
1311	147,800	58	35½	28	Herm.	5	1⅞ x 1⅛	3500	Own
1315	200,500	58	35½	28	Herm.	5	1⅞ x 1½	3500	Own

NOTE: Full line of evaporator blower units, ranging in capacity from 25,200 to 180,000 Btuh, available for use with condensing units listed.
*With plenum.

ED FRIEDRICH, INC.

"FloatingAir"

C-301W	36,000	24	78	26¹³/₁₆	Sealed	2	1¹⁵/₁₆ x 3	1725	Tecum.
C-303W	36,000	24	78	26¹³/₁₆	Sealed	2	1¹⁵/₁₆ x 3	1725	Tecum.
C-301A	30,000	24	78	26¹³/₁₆	Sealed	2	1¹⁵/₁₆ x 3	1725	Tecum.
C-303A	30,000	24	78	26¹³/₁₆	Sealed	2	1¹⁵/₁₆ x 3	1725	Tecum.
C501W	60,000	42¼	85¼	29⁷/₁₆	Semi-Herm.	2	2½ x 1¹³/₁₆	1725	Cope.
C503W	60,000	42¼	85¼	29⁷/₁₆	Semi-Herm.	2	2½ x 1¹³/₁₆	1725	Cope.
C501A	55,000	42¼	85¼	29⁷/₁₆	Semi-Herm.	2	2½ x 1¹³/₁₆	1725	Cope.
C503A	55,000	42¼	85¼	29⁷/₁₆	Semi-Herm.	2	2½ x 1¹³/₁₆	1725	Cope.
C753W	90,000	42¼	85¼	29⁷/₁₆	Semi-Herm.	3	2⅜ x 2	1725	Cope.
C753A	83,500	42¼	85¼	29⁷/₁₆	Semi-Herm.	3	2⅜ x 2	1725	Cope.
DRA301*	30,000	31	31½	38½					
DRA501*	55,000	31	31½	38½					
DRA751*	83,500	52¾	54½	38					

*Air cooled condenser (remote).

COMPRESSOR MOTOR			BLOWER			BLOWER MOTOR		CONDENSER	EVAPORATOR COIL		REFRIGERANT		AIR FILTER			WATER USAGE
HP	RPM	Cooling Method	CFM	No.	RPM	No.	HP	Type	Face Area (sq. ft.)	No. Rows	Type	(lb.)	Type	No.	Dimension (inches)	(gpm. ton) 75F inlet 95F outlet
2	3500	Refnt.	800	1	620	1	1/4	Shell & Coil	3.21	3	F12	9	T	1	15 x 30⅝ x 1	
3	3500	Refnt.	1200	1	890	1	1/3	Shell & Coil	3.21	3	F22	9	T	1	15 x 30⅝ x 1	
5	1750	Refnt.	2000	2	695	1	1/2	Shell & Coil	5.30	3	F12	12	T	2	22 x 22 x 1	
7½	1750	Refnt.	3000	2	1030	1	1	Shell & Coil	5.30	3	F22	12	T	2	22 x 22 x 1	
10	3500	Refnt.	4000	2	735	1	1½	Shell & Coil	7.46	3	F22	19½	T	6	16⅝ x 18	
														6	16⅝ x 18	
15	3500	Refnt.	6000	2	610	1	2	Shell & Coil	12.08	3	F22	30	T	2	16 x 24	
2	1750	Refnt.	1600	1	440	1	1/4	Air Cooled			F22					
3	3500	Refnt.	2250	1	525	1	1/3	Air Cooled			F22					
5	1750	Refnt.	3800	1	425	1	¾	Air Cooled			F12					
7½	1750	Refnt.	6000	2	521	1	1½	Air Cooled			F22					
2	3500	Refnt.						Shell & Tube			F12					
3	3500	Refnt.						Shell & Tube			F22					
5	1750	Refnt.						Shell & Tube			F12					
7½	1750	Refnt.						Shell & Tube			F22					
10	3500	Refnt.						Shell & Tube			F22					
15	3500	Refnt.						Shell & Tube			F22					
3	1725	Refnt.	1200	1	890	1	1/3	Water	2.59	4	F22	6	C	1	20 x 25 x 1	
3	1725	Refnt.	1200	1	890	1	1/3	Water	2.59	4	F22	6	C	1	20 x 25 x 1	
3	1725	Refnt.	1200	1	890	1	1/3	Air	2.59	4	F22	6	C	1	20 x 25 x 1	
3	1725	Refnt.	1200	1	890	1	1/3	Air	2.59	4	F22	6	C	1	20 x 25 x 1	
5	1725	Refnt.	2000	1	770	1	1/2	Water	4.86	2	F12	8	C	2	17¾ x 23 x 1	
5	1725	Refnt.	2000	1	770	1	1/2	Water	4.86	2	F12	8	C	2	17¾ x 23 x 1	
5	1725	Refnt.	2000	1	770	1	1/2	Air	4.86	2	F12	8	C	2	17¾ x 23 x 1	
5	1725	Refnt.	2000	1	770	1	1/2	Air	4.86	2	F12	8	C	2	17¾ x 23 x 1	
7½	1725	Refnt.	2850	1	670	1	¾	Water	5.46	2	F12	12	C	2	17¾ x 23 x 1	
7½	1725	Refnt.	2850	1	670	1	¾	Air	5.46	2	F12	12	C	2	17¾ x 23 x 1	
			3350	1	765	1	1/3	Air								
			6500	1	850	1	1/2	Air								
			8400	1	373	1	1	Air								

Commercial Air Conditioners

MODEL NO.	COOLING CAPACITY (Btu/hr)	CABINET DIMENSIONS (in.)			COMPRESSOR				
		Width	Height	Depth	Type	No. Cyl.	Bore & Stroke (inches)	RPM	Make
BAL-AIR, INC.									
"Bal-Air"									
AC-2		36	72	28	Acces. Herm.	2	2 x 1 5/32	1735	Cope.
AC-3		44	77	31	Acces. Herm.	2	2 1/4 x 1 7/16	1735	Cope.
AC-5		44	77	31	Acces. Herm.	2	2 1/2 x 1 13/16	1735	Cope.
AC-8		60	94	31	Acces. Herm.	3	2 1/2 x 2	1735	Cope.
AC-10		60	94	31	Acces. Herm.	(2) 2	2 1/2 x 1 13/16	1735	Cope.
BRUNNER MFG. CO.									
"BAC"									
"Brunner"									
BAC-30-1		35 1/4	66	25 1/2	Semi-Herm.	2	2 1/16 x 1 1/2	1750	Own
BAC-50-1		44 3/8	71	26 3/4	Open	2	3 1/4 x 2 1/4	825	Own
BAC-75-1		51 1/8	71	30 1/4	Open	4	3 1/4 x 2 1/4	650	Own
BAC-100-1		57	75	30 1/4	Open	4	3 1/4 x 2 1/4	825	Own
BRYANT MFG. CO.									
"Bryant"									
2-570	24,000	39	62 7/8	21 3/8	Herm.	2			Tecum.
3-570	36,000	39	62 7/8	21 3/8	Herm.	2			Tecum.
5-570	60,000	45 7/8	70 3/4	23 3/8	Semi-Herm.	2			Cope.
7.5-570	90,000	48 1/8	79 7/8	26	Semi-Herm.	3			Cope.
10-570	120,000	62 1/8	84 1/4	26	Semi-Herm.	2			Cope.
15-570	180,000	79	91 1/4	31	Semi-Herm.	3			Cope.
CARRIER CORP.									
"Weathermaker"									
50R2	24,000	36	52*	23	Semi-Herm.	2		1750	Own
50R4	36,000	36	52*	23	Semi-Herm.	2		1750	Own
50R6	60,000	43	64*	24	Semi-Herm.	4		1750	Own
50K8	90,000	48	77**	30 1/8	Semi-Herm.	4		1750	Own
50K12	120,000	82	64**	22 1/8	Semi-Herm.	6		1750	Own
50K12	120,000	82	64**	22 1/8	Semi-Herm.	8		1750	Own
50K16	180,000	82	82 13/16**	30 1/8	Semi-Herm.	8		1750	Own
41K24	240,000	102 7/8	99 1/4**	32 5/8	Semi-Herm.	12		1750	Own
50N9		41	58	21 7/8†	Semi-Herm.	4		1750	Own
50N11		41	64	21 7/8†	Semi-Herm.	4		1750	Own
50N15		48	77	30 1/8†	Semi-Herm.	6		1750	Own
50N19		82	64	22 1/8†	Semi-Herm.	8		1750	Own

*Add 25" for plenum; 5" for return air base.
**Add 25 to 26 7/8" for plenum.
†Add 22 3/8 to 26 7/8" for plenum.

COMPRESSOR MOTOR			BLOWER			BLOWER MOTOR		CONDENSER	EVAPORATOR COIL		REFRIGERANT		AIR FILTER			WATER USAGE
HP	RPM	Cooling Method	CFM	No.	RPM	No.	HP	Type	Face Area (sq. ft.)	No. Rows	Type	(lb.)	Type	No.	Dimension (inches)	(gpm/ton) 75F inlet 95F outlet
2	1735	Refnt.	800	1	877	1	¼	Evap.	1.56	4	F12	9	T	1	15 x 15	
3	1735	Refnt.	1200	1	694	1	⅓	Evap.	2.5	4	F12	11	T	1	15 x 25	
5	1735	Refnt.	2000	1	850	1	½	Evap.	4.16	4	F12	15	C	1	18 x 33	
7½	1735	Refnt.	2700	2	772	1	¾	Evap.	5.0	5	F12	20	C	2	16 x 25	
10	1735	Refnt.	3600	2	790	1	1	Evap.	7.0	5	F12	24	C	3	16 x 20	
3	1750	Air	1200	1	680	1	½	Sheet-tube	2.7	4	F12	11	C	2	14¾ x 25¾ x 1	
5	1750	Air	2000	1	720	1	½	Sheet-tube	4.4	4	F12	13	C	2	18½ x 34¾ x 1	
7½	1750	Air	3000	2	680	2	⅓	Sheet-tube	6.7	4	F12	16	C	2	25½ x 38⅞ x 1	
10	1750	Air	4000	2	680	2	½	Sheet-tube	9.0	4	F12	20	C	2	29¼ x 45 x 1	
2		Refnt.	800	1	833	1	¼	Shell-Coil	2.09	4	F22	8	C	1	1 x 11½ x 24⅞	3.0
3		Refnt.	1200	1	747	1	⅓	Shell-Coil	2.6	4	F22	9	C	1	1 x 14½ x 24⅞	4.5
5		Refnt.	2000	1	833	1	½	Shell-Coil	4.5	4	F22	11	C	1	1 x 17½ x 35⅞	7.5
7½		Refnt.	3000	2	890	1	¾	Shell-Coil	6.7	4	F22	18	C	2	1 x 23½ x 19 15/16	11.25
(2) 5		Refnt.	4000	2	947	1	1½	Shell-Coil	8.33	6	F12	39	C	2	1 x 23½ x 24 15/16	15.0
(2)7½		Refnt.	6000	2	770	1	2	Shell & Coil	12.6	6	F22	35	C	3	26½ x 22¼ x 1	22.5
2	1750	Refnt.	600 1000	1	1100	1	⅛	Water			C7	5.5	T	2	16 x 20 x 1	
3	1750	Refnt.	900 1500	1	555 815	1	⅓	Water			F22	6.5	T	2	16 x 20 x 1	
5	1750	Refnt.	1500 2500	1	600 815	1	½	Water			C7	9.25	T	2	(1) 16 x 25 x 1 (1) 20 x 25 x 1	
7½	1750	Refnt.	2250 3750	1	490 690	1	1	Water			F22	14.5	T	4	(2) 16 x 25 x 1 (2) 16 x 20 x 1	
10	1750	Refnt.	3000 5000	2	650 850	1	2	Water			F22	17	T	4	20 x 25 x 1	
(2) 5	1750	Refnt.	3000 5000	2	650 850	1	2	Water			F22	17	T	4	20 x 25 x 1	
15	1750	Refnt.	4500 7500	2	505 700	1	3	Water			F22	29	T	8	(4) 16 x 20 x 1 (4) 20 x 20 x 1	
(2) 10	1750	Refnt.	6000 8000	2	763 955	1	3	Water			F22	37	T	8	20 x 25 x 2	
5	1750	Refnt.	1200 1800	1	700 950	1	½	Air			C7	11.5	T	2	20 x 20 x 1	
7½	1750	Refnt.	1600 2600	1	600 816	1	¾	Air			C7	14	T	2	20 x 25 x 1	
10	1750	Refnt.						Air			C7		T	4	(2) 16 x 25 x 1 (2) 16 x 20 x 1	
(2) 7½	1750	Refnt.						Air			C7		T	4	20 x 25 x 1	

Commercial Air Conditioners

TYPHOON AIR CONDITIONING CO., DIV. OF HUPP CORP.

"Typhoon"

MODEL NO.	COOLING CAPACITY (Btu/hr)	CABINET DIMENSIONS (in.)			COMPRESSOR				
		Width	Height	Depth	Type	No. Cyl.	Bore & Stroke (inches)	RPM	Make
H46SC	37,000	37	*73½	24½	Herm.	2	2 x 1.2	1750	Tecum.
H66SC	60,600	37	*73½	24½	Herm.	2	2½ x 1 13/16	1750	Cope.
H86SC	97,500	37	*73½	24½	Herm.	3	2⅜ x 2	1750	Cope.
H96SC	101,750	52	*79	27	Herm.	3	2⅜ x 2	1750	Cope.
H116SC	125,000	52	*79	27	Herm.	3	2 5/16 x 2	1750	Cope.
H166SC	191,000	62	*95	35	Herm.	3	2⅜ x 2	1750	Cope.
H216SC	248,000	62	*95	35	Herm.	3	2 5/16 x 2	1750	Cope.
266SC	310,000	62	*97	35	Open	4	3 1/32 x 3¾	1400	Schn.
H316SC	366,000	84	92	45	Herm.	3	2 5/16 x 2	1750	Cope.
416SC	492,000	84	92	45	Open	4	4¼ x 5	890	Brunner

*Without plenum.
**Throwaway type also available (different dimensions).

FRIGIDAIRE DIV., GENERAL MOTORS CORP.

"Master-Matic"

ASW-300	36,500	40	*70	22⅛	Acces. Herm., dd	2	2⅜ x 1⅜	1725	Own
ASW-500	60,100	40	*75⅜	28	Acces. Herm., dd	2	2⅜ x 2⅜	1725	Own
ASW-750	92,000	40	76¼	28	Acces. Herm., dd	3	2⅜ x 2⅜	1725	Own
ASW-1000	120,500	67	*80⅛	29½	Access. Herm.	(2) 2	2⅜ x 2⅜	1725	Own
ASW-1500	177,500	67	*80⅛	29½	Access. Herm.	(2) 3	2⅜ x 2⅜	1725	Own

*Height Less Hood (Add 11" for Hood)

GIBSON REFRIGERATOR CO., DIV. OF HUPP CORP.

"Gibson"

GK-31-33		29½	70½	25½	Herm.	2	1.2 x 2	1725	Tecum.
GK-51-53		37½	70½	28⅜	Herm.	4	1¾ x 1 7/16	1725	Tecum.
GK-83B		48	88	31	Herm.	2 4	1.2 x 2 1¾ x 1 7/16	1725 1726	Tecum. Tecum.
GK-753	97,500	37	87½	24½	Herm.				Cope.
GK-853	101,750	52	95⅛	27	Herm.				Cope.
GK-103	125,000	52	95⅛	27	Herm.				Cope.
GK-153	191,000	62	117	37	Herm.				Cope.
GK-203	248,000	62	117	37	Open				Tecum.
GK-253	310,000	62	119	37	Open				Schnacke
GK-303	366,000	84	92	45	Open				Schnacke
GK-403	492,000	84	92	45	Open				Brunner

COMPRESSOR MOTOR			BLOWER			BLOWER MOTOR		CONDENSER	EVAPORATOR COIL		REFRIGERANT		AIR FILTER			WATER USAGE
HP	RPM	Cooling Method	CFM	No.	RPM	No.	HP	Type	Face Area (sq. ft.)	No. Rows	Type	(lb.)	Type	No.	Dimension (inches)	(gpm/ton) 75F inlet 95F outlet
3		Refnt.	1200	1	Var.	1	¼	Tube in Tube	2.81	4	F22	6½	T	2	(1) 16 x 25 x 1 (1) 20 x 25 x 1	
5		Refnt.	2000	1	Var.	1	⅓	Tube in Tube	4.67	4	F12	8½	T	2	(1) 16 x 25 x 1 (1) 20 x 25 x 1	
7½		Refnt.	2800	1	Var.	1	¾	Tube in Tube	4.67	6	F12	10½	T	2	(1) 16 x 25 x 1 (1) 20 x 25 x 1	
(2) 7½		Refnt.	3800	2	Var.	1	¾	Tube in Tube	7.87	4	F12	14	T	2	25 x 20 x 1	
10		Refnt.	4000	2	Var.	1	¾	Tube in Tube	7.87	5	F22	16	T	2	25 x 20 x 1	
(2) 7½		Refnt.	6000	2	Var.	1	1½	Tube in Tube	13.0	5	F12	21	C**	6	16 x 20 x 2	
10		Refnt.	8000	2	Var.	1	2	Tube in Tube	13.0	6	F22	32	C**	8	16 x 20 x 2	
25		Air	8000	2	Var.	1	3	Shell & Tube	13.0	8	F12	42	C**	8	16 x 20 x 2	
(3) 10		Refnt.	12000	2	Var.	1	5	Tube in Tube	21.0	6	F22	48	C	8	20 x 25 x 2	
40		Air	12000	2	Var.	1	5	Shell & Tube	21.0	8	F12	72	C	8	20 x 25 x 2	
3	1725	Refnt.	1260	1	815	1	⅓	Shell Coil	2.85	4	F12	9.5	C	1	29¾ x 15½ x 1	
5	1725	Refnt.	2000	1	845	1	½	Shell Coil	4.2	4	F12	8	C	1	29¾ x 22¼ x 1	
7½	1725	Refnt.	2700	2	1040	1	¾	Shell Coil	5.95	5	F12	16	C	1	29¾ x 29¾ x 1	
(2)5	1725	Refnt.	4000	2	760	1	1½	Shell Coil	(2) 4.7	4	F12	9	C	3	20 x 25 x 1	
(2)7½	1725	Refnt.	5300	2	700	1	2	Shell Coil	(2) 6.1	4	F12	16	C	3	20 x 25 x 1	
3	1725	Refnt.	1200	1	740	1	⅓	Water Cooled	2.75	3	F22	3.35	C	1	18 x 22 x 1	
5	1725	Refnt.	2000	1	825	1	½	Water Cooled	4.22	4	F22	5.1	C	1	21 x 29 x 1	
3 5	1725 1725	Refnt. Refnt.	3000	2	850	1	¾	Water Cooled	6.5	4	F22	9.8	C	2	20 x 25 x 1	
7½			2800	1		1	¾	Water Cooled			F12	10½	T	2	16 x 25 x 1 20 x 25 x 1	
7½			3800	1		1	¾	Water Cooled			F12	14	T	2	25 x 20 x 1	
10			4000	1		1	¾	Water Cooled			F22		T	2	25 x 20 x 1	
(2) 7½			6000			1	1½	Water Cooled			F12		C	6	16 x 20 x 2	
20			8000			1	2	Water Cooled			F12	38	C	6	16 x 20 x 2	
25			8000			1	3	Water Cooled			F12	42	C	6	16 x 20 x 2	
30			12000	2		1	5	Water Cooled			F12	46	C	8	20 x 25 x 2	
40			12000	2		1	5	Water Cooled			F12	49	C	8	20 x 25 x 2	

Commercial Air Conditioners

MODEL NO.	COOLING CAPACITY (Btu/hr)	CABINET DIMENSIONS (in.)			COMPRESSOR				
		Width	Height	Depth	Type	No. Cyl.	Bore & Stroke (inches)	RPM	Make
COOL-ETTE, INC.									
"Cool-ette"									
SC2W		25	70¼	21½	Herm.	2	1¾ x 1.2	1725	Tecum.
SC2A		25	70¼	21½	Herm.	2	1¾ x 1.2	1725	Tecum.
SC3W		25	70¼	21½	Herm.	2	2 x 1.2	1725	Tecum.
SC3A		25	70¼	21½	Herm.	2	2 x 1.2	1725	Tecum.
SC5W		35	80¼	25	Herm.	4	1¾ x 1 7/16	1725	Tecum.
SC5A		35	80¼	25	Herm.	4	1¾ x 1 7/16	1725	Tecum.
F2W		25	57½	21½	Herm.	2	1¾ x 1.2	1725	Tecum.
F2A		25	57½	21½	Herm.	2	1¾ x 1.2	1725	Tecum.
F3W		25	57½	21½	Herm.	3	2 x 1.2	1725	Tecum.
F3A		25	57½	21½	Herm.	3	2 x 1.2	1725	Tecum.
F5W		35	66½	25	Herm.	4	1¾ x 1 7/16	1725	Tecum.
F5A		35	66½	25	Herm.	4	1¾ x 1 7/12	1725	Tecum.
Note: Remote evaporators available with air cooled condensing units.									
CURTIS MFG. CO., REFRIGERATION DIV.									
"Curtis"									
CA-400	38,040	25	84½	25½	Herm.	2	2 x 1.2	1750	Tecum.
CA-600	63,400	38	84½	27½	Herm.	4	1¾ x 1 7/16	1750	Tecum.
CA-800	95,100	42	93¾	27½	Semi-Herm.	2	2 7/16 x 1 13/16	1750	Cope.
CA-1200	126,800	54	98¾	27½	Semi-Herm.	3	2 7/16 x 2	1750	Cope.
CA-1600	190,200	78	98¾	28½	Semi-Herm.	(2) 2	(2) 2 7/16 x 1 13/16	1750	Cope.
CA-2200	253,600	78	107¾	33½	Semi-Herm.	(2) 3	(2) 2 13/16 x 2	1750	Cope.
FRICK CO.									
"Frick"									
300		38	81	24 5/16	Acces. Herm.	2	2¼ x 1 7/16	1750	
520		42	86⅝	27 5/16	Acces. Herm.	2	2½ x 1 13/16	1750	
750		55	88⅜	27 5/16	Acces. Herm.	3	2⅜ x 2	1750	
DRAYER-HANSON, DIV. OF NATIONAL-U.S. RADIATOR CORP.									
"Royal-Aire"									
CUC-263 CUC-261	36,000	38	77	21¼	Semi-Herm.	2	2¼ x 1 7/16	1750	Cope.
CUD-263 CUD-261	60,000	45½	85¾	25	Semi-Herm.	2	2½ x 1 13/16	1750	Cope.
CUE-263 CUE-463	90,000	55½	87¾	29¼	Semi-Herm.	3	2⅜ x 2	1750	Cope.
CUF-263 CUF-463	120,000	72	87¾	29¼	Semi-Herm.	(2) 2	2½ x 1 13/16	1750	Cope.
CUG-263 CUG-463	180,000	86	99¾	29¼	Semi-Herm.	(2) 3	2⅜ x 2	1750	Cope.

COMPRESSOR MOTOR			BLOWER			BLOWER MOTOR		CONDENSER	EVAPORATOR COIL		REFRIGERANT		AIR FILTER			WATER USAGE
HP	RPM	Cooling Method	CFM	No.	RPM	No.	HP	Type	Face Area (sq. ft.)	No. Rows	Type	(lb.)	Type	No.	Dimension (inches)	(gpm/ton) 75F inlet 95F outlet
2	1725	Refnt.	800	1	Var.	1	¼	Water	1.75	4	F22	2# 11	C	1	20 x 20 x 1	1.44
2	1725	Refnt.	800	1	Var.	1	¼	Air	1.75	4	F22	Hold.	C	1	20 x 20 x 1	
3	1725	Refnt.	1200	1	Var.	1	⅓	Water	2.91	4	F22	2# 15	C	1	20 x 20 x 1	1.44
3	1725	Refnt.	1200	1	Var.	1	⅓	Air	2.91	4	F22	Hold.	C	1	20 x 20 x 1	
5	1725	Refnt.	2000	1	Var.	1	½	Water	4.19	4	F22	5# 4	C	2	16 x 25 x 1	1.44
5	1725	Refnt.	2000	1	Var.	1	½	Air	4.19	4	F22	Hold	C	2	16 x 25 x 1	
2	1725	Refnt.	800	1	Var.	1	¼	Water	1.75	4	F22	2# 11	C	1	20 x 20 x 1	1.44
2	1725	Refnt.	800	1	Var.	1	¼	Air	1.75	4	F22	Hold	C	1	20 x 20 x 1	
3	1725	Refnt.	1200	1	Var.	1	⅓	Water	2.91	4	F22	2# 15	C	1	20 x 20 x 1	1.44
3	1725	Refnt.	1200	1	Var.	1	⅓	Air	2.9	4	F22	Hold	C	1	20 x 20 x 1	
5	1725	Refnt.	2000	1	Var.	1	½	Water	4.19	4	F22	5# 4	C	2	16 x 25 x 1	1.44
5	1725	Refnt.	2000	1	Var.	1	½	Air	4.19	4	F22	Hold	C	2	16 x 25 x 1	
3	1750	Refnt.	1200	1	560	1	¼	Shell & Coil	2.4	4	F22	7	T	1	16 x 25	1½
5	1750	Refnt.	2000	1	690	1	⅓	Shell & Coil	4.0	4	F22	10	T	2	16 x 20	1½
7½	1750	Refnt.	3000	2	870	1	¾	Shell & Coil	6.0	4	F22	13	T	1 1	20 x 25 16 x 25	1½
10	1750	Refnt.	4000	2	725	1	1	Shell & Coil	8.0	4	F22	15	T	3	16 x 25	1½
(2)7½	1750	Refnt.	6000	3	780	1	1½	(2) Shell & Coil	12.0	4	F22	13 Each Circuit	T	2 2	16 x 25 20 x 25	1½
(2)10	1750	Refnt.	8000	3	642	1	2	(2) Shell & Coil	16.0	4	F22	15 Each Circuit	T	2 2 1 1	20 x 25 16 x 25 20 x 20 16 x 20	1½
3	1750	Water	1300	1	775	1	⅓	Shell-Coil	3.26	4	F12	8	C	1	15 x 29 x 1	
5	1750	Water	2000	1	640	1	½	Shell-Coil	5.16	4	F12	12	C	1	25 x 30 x 1	
7½	1750	Refnt.	3000	1	748	1	¾	Shell-Coil	7.33	4	F12	14	C	2	20 x 24	
3	1750	Refnt.	1200	1	780	1	⅓	Shell & Coil	2.8	5	F12	12	C	1	13½ x 30½	
5	1750	Refnt.	2000	1	640	1	½	Shell & Coil	4.5	5	F12	15	C	1	17½ x 38	
	1750	Refnt.	3000	1	510	1	¾	Shell & Coil	6.4	4	F12	19	C	2	20½ x 23	
	1750	Refnt.	4000	2	640	1	1	Shell & Coil	8.5	4	F12	30	C	3	20½ x 20	
	1750	Refnt.	6000	2	590	1	1½	Shell & Coil	13.5	4	F12	38	C	3	26½ x 24¾	

Commercial Air Conditioners

MODEL NO.	COOLING CAPACITY (Btu/hr)	CABINET DIMENSIONS (in.)			COMPRESSOR				
		Width	Height	Depth	Type	No. Cyl.	Bore & Stroke (inches)	RPM	Make
NATIONAL-U.S. RADIATOR CORP.									
"Capitolaire"									
COM-1-031	33,000	30	72	22	Herm.			1750	Tecum.
COM-1A-031	33,000	30	72	22	Herm.			1750	Tecum.
COM-1-051	60,000	40	72	24	Access. Herm.			1750	Cope.
COM-1-083	90,000	55½	80	27	Access. Herm.			1750	Cope.
COM-1-103	120,000	72	87	27	Access. Herm.			1750	Cope.
COM-1-153		86	99	27	Access. Herm.			1750	Cope.
GENERAL ELECTRIC CO., AIR COND. DIV.									
"G.E."									
FD30	36,000	34	82¼*	21⅝	Herm.	3		1725	Own
FD50	60,000	45	82½*	22¼	Herm.	3		1725	Own
FD75	90,000	45	88½*	22¾	Herm.	3		1725	Own
FD100	120,000	55	92⅜*	28½	Herm.	3 (2)		1725	Own
FD150	180,000	77	90 15/16*	28½	Herm.	3 (2)		1725	Own
FCA30	36,000	34	28 5/16	90 5/16*	Herm	3		1725	Own
FCA50	60,000	55	28 5/16	90 5/16*	Herm	3		1725	Own
FCW30	36,000	34	28 5/16	56½*	Herm	2		1725	Own
FCW50	60,000	55	28 5/16	56½*	Herm	3		1725	Own
FCW75	90,000	55	28 5/16	56½*	Herm	3		1725	Own
*With Discharge Air Distributor									
O. A. SUTTON CORP.									
"Vornado"									
B200B	22,000	29½	20¾	39⅛	Herm.	4	1 5/16 x 1⅝		Tecum.
B350B	36,000	36¼	24½	47 3/16	Herm.	4	1 11/64 x 1 1/24		Tecum.
GREAT NORTHERN MFG. CORP.									
"Northern-Aire"									
WHV200		36	47⅜	21	Herm.	2		1725	Tecum.
WHV300		36	64½	21	Herm.	2		1725	Tecum.
WHV500		46	50½	23 7/16	Herm.	3		1725	Tecum.
WHV750		46	72½	25	Herm	4		1725	Tecum.
MELCHOIR, ARMSTRONG, DESSAU CO.									
"Melco"									
MC-37*		36	83⅓	23⅛	Semi-Herm	2	2¼ x 1 7/16	1750	Cope.
MC-57*		42	91½	24¾	Semi-Herm.	2	2½ x 1 13/16	1750	Cope.
MC-83*		42	91½	24¾	Semi-Herm.	2	2½ x 1 13/16	1750	Cope.
*Also available for use with remote air cooled condenser.									

COMPRESSOR MOTOR			BLOWER			BLOWER MOTOR		CONDENSER	EVAPORATOR COIL		REFRIGERANT		AIR FILTER			WATER USAGE
HP	RPM	Cooling Method	CFM	No.	RPM	No.	HP	Type	Face Area (sq. ft.)	No. Rows	Type	(lb.)	Type	No.	Dimension (inches)	(gpm/ton) 75F inlet 95F outlet
3	1750	Refnt.	1200	1	1750	1	1/3	Shell & Coil	3	3	22		C	1	19 x 23 5/8 x 1	
3	1750	Refnt.	1200	1	1750	1	1/3	Air Cooled	3	3	22		C	1	19 x 23 5/8 x 1	
5	1750	Refnt.	2000	1	1750	1	1/2	Shell & Coil	4.95	3	12		C	2	22 x 16 5/8 x 1	
7 1/2	1750	Refnt.	3000	1	1750	1	3/4	Shell & Coil	6.4	4	22		C	2	20 x 23 x 1	
10	1750	Refnt.	4000	2	1750	1	1	Shell & Coil	8.5	4	12		C	3	20 1/2 x 20 x 1	
2(7 1/2)	1750	Refnt.	6000	2	1750	1	1 1/2	Shell & Coil	13.5	4	22		C	3	26 1/2 x 24 3/4 x 1	
3	1725	Refnt.	1200	1		1	1/4	Water-Cooled	3.00	3	F12	6 1/2	T	2	16 x 20 x 1	
5	1725	Refnt.	2000	2		1	1/2	Water-Cooled	4.97	3	F12	9	T	2	20 x 25 x 1	
7 1/2	1725	Refnt.	3000	2		1	1	Water-Cooled	6.25	4	F22	9	T	4	(2)16 x 20 x 1 (2)16 x 25 x 1	
5 (2)	1725	Refnt.	4000	2		1	2	Water-Cooled	10.3	3	F12	18	T	4	25 x 16 x 1	
7 1/2 (2)	1725	Refnt.	6000	2		1	3	Water-Cooled	15.4	3	F22	19	T	6	16 x 25 x 1	
5	1725	Refnt.	1200	1		1	1/4	Air Cooled	3.2	3	F12	10	T	2	16 x 20 x 1	
7 1/2	1725	Refnt.	2000	1		1	1/2	Air-Cooled	5.3	6	F22	16	T	2	20 x 25 x 1	
3	1725	Refnt.	1200	1		1	1/4	Water-Cooled	3.2	3	F12	12	T	2	16 x 20 x 1	
5	1725	Refnt.	2000	1		1	1/2	Water-Cooled	5.3	3	F12	11	T	2	20 x 25 x 1	
7 1/2	1725	Refnt.	3000	1		1	3/4	Water-Cooled	6.6	4	F22	10	T	3	16 x 25 x 1 (2) 20 x 25 x 1	
(2)1	1725	Refnt.		1	1120	1	1/3	Air Cooled		3	F22					
(2)1 3/4	1725	Refnt		2	1120	1	1/3	Air Cooled		4	F22					
2			800	1	560		1/4	Water	1.75	4	F22	5	T	1		
3			1200	1	690		1/4	Water	2.4	4	F22	7	T	2		
5			2000	1	690		1/4	Water	4.0	4	F22	7	T	2		
7 1/2			3000	3	870		3/4	Water	6.0	4	F22	10	T	2		
3	1750	Refnt.	1200	1	Adj.	1	1/3	Cleanable Tube in tube	2.92	4	F12	5 1/2	T	2	16 x 20 x 1	
5	1750	Refnt.	2000	1	Adj.	1	1/2	Cleanable Tube in tube	4.43	4	F12	8	T	2	20 x 20 x 1	
7 1/2	1750	Refnt.	3000	1	Adj.	1	3/4	Cleanable Tube in tube	6.02	4	F22	8	T	2	20 x 25 x 1	

Commercial Air Conditioners

MODEL NO.	COOLING CAPACITY (Btu/hr)	CABINET DIMENSIONS (in.)			COMPRESSOR				
		Width	Height	Depth	Type	No. Cyl.	Bore & Stroke (inches)	RPM	Make
LENNOX INDUSTRIES, INC.									
"Lennox"									
CU11-201 CU11-203	25,100	31 5/8	82 1/8	20 15/16	Herm.	2	1 3/4 x 1.2	1725	Tecum.
CU11-301 CU11-303	37,600	31 5/8	82 1/8	20 15/16	Herm.	2	1 15/16 x 1.2	1725	Tecum.
CU11-501 CU11-503	62,600	30 7/16	85 3/4	29 5/16	Herm.	4	1 3/4 x 1 7/16	1725	Tecum.
CHA1-201	24,500	30 5/8	22	46	Herm.	2	1 5/16 x 1 1/64	1725	Tecum.
CHA2-301	40,900	35 5/8	28	52 13/16	Herm.	2	1 5/8 x 1 1/64	1725	Tecum.
CHA3-501 CHA3-503	60,000	58 3/16	28	66 7/8	Open	4		1725	Tecum.
CHB1-300	36,000	49 3/8	58	27 7/8	Herm.	2		1725	Tecum.
ARMSTRONG FURNACE CO.									
"Armstrong"									
CUC	36,000	38	77	21 1/2	Herm.	2	2 1/4	1750	Cope.
CUD	60,000	45 1/2	85 3/4	25	Herm.	2	2 1/2	1750	Cope.
CUE	90,000	55 1/2	87 3/4	29 1/4	Herm.	3	2 3/8	1750	Cope.
CUF	120,000	72	87 3/4	29 1/4	Herm.	(2) 2	2 1/2	1750	Cope.
CUG	180,000	86	99 3/4	29 1/4	Herm.	(2) 3	2 3/8	1750	Cope.
MUELLER CLIMATROL, DIV. WORTHINGTON CORP.									
"Mueller Climatrol"									
904-3	36,050	37	84	21	Semi-Herm.	3	1 15/16 x 1 7/16	1725	Worth.
904-5	60,000	48	89	21	Semi-Herm.	3	1 15/16 x 1 7/16	1725	Worth.
904-7	92,500	58 1/4	89	23 11/16	Semi-Herm.	3	2 1/4 x 1 3/4	1725	Worth.
904-10	120,000	82	98	31	Semi-Herm.	(2) 2	1 15/16 x 1 7/16	1725	Worth.
904-15	180,000	82	98	31	Semi-Herm.	(2) 2	2 1/4 x 1 3/4	1725	Worth.
ALTON MFG. CO.									
"Alton"									
RE-10	125,100	96	66	36	Open	4	3.25 x 2.25	830	Brunner
RE-15	184,810	120	74	48	Open	4	4.25 x 3.0	525	Brunner
RE-20	255,000	128	80	48	Open	4	4.25 x 5.0	435	Brunner
RE-25	316,600	128	80	48	Open	4	4.25 x 5.0	555	Brunner
RE-30	360,000	149	80	48	Open	4	4.25 x 5.0	600	Brunner
*Optional. Usually built into return air plenum.									
GENERAL AIR CONDITIONING CORP.									
"General"									
FL-2	24,000	30	43	21	Herm.	2	1 3/4 x 1.2	1725	Tecum.
R026*	24,000	30	34	21	Herm.	2	1 3/4 x 1.2	1725	Tecum.
R031HP*	37,700	30	40	25	Herm.	2	2 x 1.2	1725	Tecum.
R0525A*	65,500	40	57	26	Herm.	4	1 3/4 x 1 7/16	1725	Tecum.
R0-10*	131,000	66	30	73	Herm.	(2) 4	1 3/4 x 1 7/16	1725	Tecum.
*Available with heat pump.									

COMPRESSOR MOTOR			BLOWER			BLOWER MOTOR		CONDENSER	EVAPORATOR COIL		REFRIGERANT		AIR FILTER			WATER USAGE (gpm/ton) 75F inlet 95F outlet
HP	RPM	Cooling Method	CFM	No.	RPM	No.	HP	Type	Face Area (sq. ft.)	No. Rows	Type	(lb.)	Type	No.	Dimension (inches)	
2	1725	Refnt.	800	1	655	1	¼	Cleanable Counterflow	1.96	3	F22	2.81	T	1	26 x 20 x 1	
3	1725	Refnt.	1200	1	880	1	⅓	Cleanable Counterflow	2.94	3	F22	3.62	T	1	26 x 20 x 1	
5	1725	Refnt.	2000	1	880	1	½	Cleanable Counterflow	4.4	4	F22	7.0	T	1	25 x 25 x 1	
1 (2)	1725	Refnt.	920	1	1068	1	1/12	Air Cooled	1.97	3	F22	3.63				
1¾(2)	1725	Refnt.	1200	1	720	1	¼	Air Cooled	2.66	4	F22	6.31				
5	1725	Refnt.	2000	1	740	1	½	Air Cooled	4.7	4	F22	2.6				
3	1725	Refnt.	1200	1	750	1	⅓	Air Cooled	2.94	3	F22	6.62				
3	1750	Refnt.	1200	1	780	1	⅓	Shell & Coil	2.8	5	F12	5	C	1	13½ x 30½	
5	1750	Refnt.	2000	1	640	1	½	Shell & Coil	4.5	5	F12	5	C	1	17½ x 38	
7½	1750	Refnt.	3000	1	510	1	¾	Shell & Coil	6.4	4	F12	4	C	2	20½ x 23	
(2) 5	1750	Refnt.	4000	2	640	1	1	Shell & Coil	8.5	4	F12	4	C	3	20½ x 20	
(2)7½	1750	Refnt.	6000	2	590	1	1½	Shell & Coil	13.5	4	F12	4	C	3	26½ x 24¾	
3	1750	Refnt.	1200	1	650	1	⅓	Shell & Coil	3.84	3	F12	9	T	2	16 x 20 x 1	
5	1750	Refnt.	2000	1	840	1	½	Shell & Coil	5.22	3	F22	13	T	2	20 x 20 x 1	
7½	1750	Refnt.	3000	2	850	1	¾	Shell & Coil	8.38	3	F22	14	T	3	16 x 25 x 1	
(2)5	1750	Refnt.	4000	2	840	1	1½	Shell & Coil	13	3	F22	26	T	4 4	16 x 20 x 1 20 x 20 x 1	
(2)7½	1750	Refnt.	6000	2	760	1	2	Shell & Coil	13	4	F22	28	T	4 4	16 x 20 x 1 20 x 20 x 1	
10	1750	Air	3600	2	860	1	1½	Integral Evaporative	6.0	6	F12	40	•			
15	1750	Air	5400	2	670	1	2	Integral Evaporative	10.0	6	F12	80	•			
20	1750	Air	7200	2	586	1	2	Integral Evaporative	12.5	6	F12	100	•			
25	1750	Air	9000	2	640	1	3	Integral Evaporative	15.0	6	F12	120	•			
30	1750	Air	10,800	2	710	1	5	Integral Evaporative	18.0	6	F12	140	•			
2	1500	Refnt.	900	1	1000	1	⅙	Air		4	F22	4	C	1	9 x 30	
2	1500	Refnt.	1000	1	1060	1	⅙	Air		4	F22	4	C	1	9 x 30	
3	1500	Refnt.	1400	1	1100	1	⅓	Air		4	F22	4	C	1	12 x 30	
5	1500	Refnt.	2400	1	600	1	¾	Air		4	F22	10	C	2	15 x 16	
10	1725	Refnt.	4800	2	600	1	1½	Air		4	F22	10	C	3	15 x 16	

Room Air Conditioners

MODEL NO.	COOLING CAPACITY (Btu/hr)	CABINET DIMENSIONS (in.)			COMPRESSOR				
		Width	Height	Depth	Type	No. Cyl.	Bore & Stroke (inches)	RPM	Make
CENTURY ENGINEERING CO.									
S2W1		32⅛	82	23⅛					Tecum.
S3W1		32⅛	82	23⅛					Tecum.
S2A1		32⅛	82	23⅛					Tecum.
S3A1		32⅛	82	23⅛					Tecum.
JANITROL DIV., SURFACE COMBUSTION CORP.									
SAC 24U-45 *	26,800	26½	88¾	26	Herm.	2	1¾ x 1.2	1725	Tecum.
SAC 36U-45 *	36,900	26½	88¾	26	Herm.	2	2 x 1.2	1725	Tecum.
SAC 60U-45 *	63,700	40½	88¾	26	Herm.	2	1¾ x 1.2 2 x 1.2	1725	Tecum.
SVW 605U-55 *	68,300	40½	88¾	26	Herm.	4	1.75 x 1.44	1725	Tecum.
SVW 8-55 **	90,000	51	85	26¼	Access. Herm.	2	2.38 x 2.13	1725	West.
SVW 10 -55 **	123,000	61 61	91 60	32 64	Access. Herm.	4	2.38 x 2.13	1725	West.
SV W 15-55 **	180,000	76 76	91 60	32 64	Access. Herm.	4	2.38 x 2.13	1725	West.
* Available with accessories for free standing installation.									
** Alternate assembly possible giving 60" height.									
INTERNATIONAL HEATER CO.									
US 207	21,000	43	18⅜	27	Herm.				Tecum.
US 257	23,000	43	18⅜	27	Herm.				Tecum.
US 357	35,100	44	21⅜	27	Herm.				Tecum.
US 657	60,000	48	28	31	Herm.				Tecum.
ST 357	35,100	36	85½	28	Herm.				Tecum.
ST 657	60,000	36	85½	28	Herm.				Tecum.
KAUFFMAN AIR CONDITIONING CO.									
30		39	66	21	Herm.	2	1 15/16 x 1.2	1725	Tecum.
50		45	72	25	Herm.	2	2½ x 1 13/16	1725	Cope.
75		45	72	28	Herm.	2	2 ⅝ x 2	1725	Cope.
100		62	76	28	Herm.	2	2¾ x 1¾	1725	Cope.
150		70	94	29	Herm.	3	2⅓ x 3	750	Cope.
200		70	94	29	Open	4	4¼ x 3	750	Cope.
UNITED STATES AIR CONDITIONING CORP.									
7730G	36,000	31½	65¼ *	21 5/16	Herm.				Tecum.
7750G	60,000	38½	72¼ *	24⅜	Herm.				Tecum.
7775G	90,000	42½	75½ *	26⅛	Semi-Herm.				Cope.
77100G	120,000	54¼	79⅞ *	26¼	Semi-Herm.				Cope.
77150G	180,000	76	87½ *	31⅛	Semi-Herm.				Cope.
*Without plenum.									

COMPRESSOR MOTOR			BLOWER			BLOWER MOTOR		CONDENSER	EVAPORATOR COIL		REFRIGERANT		AIR FILTER			WATER USAGE
HP	RPM	Cooling Method	CFM	No.	RPM	No.	HP	Type	Face Area (sq. ft.)	No. Rows	Type	(lb.)	Type	No.	Dimension (inches)	(gpm/ton) 75F inlet 95F outlet
2			800	1		1	¼	Coaxial			F22	Hold		1	20 x 25	
3			1200	1		1	¼	Coaxial			F22	Hold		1	20 x 25	
2			800	1		1	¼	Fin-Tube			F22	Hold		1	20 x 25	
3			1200	1		1	¼	Fin-Tube			F22	Hold		1	20 x 25	
2	1725	Refnt.	800	1	790	1	¼	Tube in Tube	2.12	3	F22	2.7	T	1	20 x 25 x 1	
3	1725	Refnt.	1200	1	875	1	⅓	Tube in Tube	2.53	4	F22	2.9	T	1	20 x 25 x 1	
2 & 3	1725	Refnt.	2000	1	900	1	¾	Tube in Tube	4.15	4	F22	2.7 2.9	T T	1 1	16 x 25 x 1 20 x 25 x 1	
5	1725	Refnt.	2000	1	900	1	¾	Tube in Tube	4.15	4	F22	4.5	T T	1 1	16 x 25 x 1 20 x 25 x 1	
7½	1725	Refrig.	3000	2	1078	1	1	Shell & Tube	5.95	3	F22	11	T	2 2	16 x 20 x 1 16 x 25 x 1	
(2) 5	1725	Refrig.	4000	2	935	1	2	Shell & Tube	8.9	4	F12	24	T	1 2	16 x 25 x 2 20 x 25 x 2	
(2)7½	1725	Refrig.	6000	2	700	1	3	Shell & Tube	12.2	4	F22	22	T	2 2	20 x 25 x 2 16 x 25 x 2	
2								Air Cooled	2.1	3	F22	3-4				
2½								Air Cooled	2.64	4	F22	3-11				
3½								Air Cooled	2.64	4	F22	4-14				
6½								Air Cooled	4.0	4	F22	9				
3½								Air Cooled	2.8	4	F22	6				
6½								Air Cooled	5.28	4	F22	9				
3	1725	Water	1200	1	800	1	⅓	Fin Tube	2.6	4	F22	9	C	1	14 x 25	
5	1725	Water	2000	1	850	1	½	Fin Tube	4.5	4	F22	11	C	1	17 x 35	
7½	1725	Water	3000	1	900	1	¾	Fin Tube	6.9	4	F22	17	C	2	19 x 24	
2- 5	1725	Water	4000	2	950	1	1	Fin Tube	8.3	4	F22	39	C	2	24 x 24	
2-7½	1725	Water	6000	2	800	1	1½	Fin Tube	12.6	6	F12	43	C	2	26 x 33	
2-10	1725	Water	8000	2	700	1	2	Shell & Tube	12.6	6	F12	45	C	2	26 x 35	
3			1200	1			⅓	Shell & Coil		4	F22		C			
5			2000	1			½	Shell & Coil		4	F22		C			
7½			3000	2			¾	Shell & Coil		4	F22		C			
10			4000	2			1½	Shell & Coil		4	F22		C			
(2)7½			6000	2			2	Shell & Coil		4	F22		C			

Commercial Air Conditioners

MODEL NO.	COOLING CAPACITY (Btu/hr)	CABINET DIMENSIONS (in.)			COMPRESSOR				
		Width	Height	Depth	Type	No. Cyl.	Bore & Stroke (inches)	RPM	Make
WESTINGHOUSE ELECTRIC CORP., AIR COND. DIV.									
"Westinghouse"									
SU-403	30,000*-45,000	34⅞	75⅜**	25	Access. Herm.	2	2 x 1½	1750	Own
SU-603	52,000*-75,000	41⅞	82⅝**	27	Access. Herm.	2	2⅜ x 2⅛	1750	Own
SU-803	80,000*-110,000	52¼	91**	28½	Access. Herm.	2	2⅜ x 2⅛	1750	Own
MU-102	123,000	61	91	32	Access. Herm.				
MU-152	180,000	76	91	32	Access. Herm.				
*Varies with individual job operating conditions. **With plenum.									
MITCHELL MFG. CO.									
"Mitchell"									
S-200	27,600	31¼	78½*	24	Herm.	2	1¾ x 1.2		
SA-200	22,800	31¼	78½*	24	Herm.	2	1¾ x 1.2		
S-300	38,400	31¼	78½*	24	Herm.	2	2 x 1.2		
SA-300	33,600	31¼	78½*	24	Herm.	2	2 x 1.2		
S-500	63,600	41¼	78½*	24	Herm.	4	1¾ x 1 13/16		
SA-500	57,600	41¼	78½*	24	Herm.	4	1¾ x 1 7/16		
*With plenum.									
YORK CORP., SUB. OF BORG-WARNER CORP.									
"Yorkaire"									
HCF2W		26 9/16	63⅝	16 3/16	Herm.	(2) 2		1750	Own
HCF2A*		26 9/16	63⅝	16 3/16	Herm.	(2) 2		1750	Own
HCF3A*		28 9/16	63⅝	18 3/16	Herm.	(2) 3		1750	Own
HCF3W*		28 9/16	63⅝	18 3/16	Herm.	(2) 3		1750	Own
354		35	72	23	Herm.	3		1750	Own
554		42	74	23	Herm.	4		1750	Own
752		46	80½	27	Herm.	6		1750	Own
1003**	132,000	71	95 5/16	26	Herm.	4	1¾ x 1 9/32	1750	Own
1503**	192,000	79¾	99¾	29½	Herm.	6	1¾ x 1 9/32	1750	Own
2501**	300,000	79¾	104	42	Herm.	6	1¾ x 1 9/32	1750	Own
*Remote condensing unit. Refrigerant charge includes 50' of mains. **Also available without plenum for residential use.									
VIKING MFG. CORP.									
"Viking"									
VCK-2W		31	73	21¾	Herm.	2		1740	Tecum.
VCK-3W		31	73	21¾	Herm.	2		1740	Tecum.
VCK-5W		38 5/16	75½	23¼	Semi-Herm.	4		1740	Cope.
VCK75-W		52⅛	75½	23¼	Semi-Herm.	4		1740	Cope.

COMPRESSOR MOTOR			BLOWER			BLOWER MOTOR		CONDENSER	EVAPORATOR COIL		REFRIGERANT		AIR FILTER			WATER USAGE
HP	RPM	Cooling Method	CFM	No.	RPM	No.	HP	Type	Face Area (sq. ft.)	No. Rows	Type	(lb.)	Type	No.	Dimension (inches)	(gpm/ton) 75F inlet 95F outlet
3			1200	1	1725	1	1/3	Water Cooled	2.92	2	F22	3	C	1	20 x 25 x 1	
5			2000	1	1725	1	3/4	Water Cooled	3.95	3	F12	3	C	2	16 x 20 x 1	
7½			3000	1	1725	1	1	Water Cooled	5.95	3	F22	3	C	2	(1) 20 x 20 x 1 (1) 20 x 25 x 1	
(2) 5	1750		4000			2			8.9		F12	22	T or C			
(2)7½	1750		6000			3			12.2		F22	22	T or C			
2			800	1		1	¼	Tube in Tube Cleanable	3.06	3	F22	4.75	T	1	20 x 22 x 1	3
2			800	1		1	¼	Air Cooled	3.06	3	F22		T	1	20 x 22 x 1	
3			1200	1		1	1/3	Tube in Tube Cleanable	3.06	4	F22	5.75	T	1	20 x 22 x 1	4.5
3			1200	1		1	1/3	Air Cooled	3.06	4	F22		T	1	20 x 22 x 1	
5			2000	2			½	Tube in Tube Cleanable	4.82	4	F22	12	T	2	22 x 16¼ x 1	7.5
5			2000	2			½		4.82	4	F22		T	2	22 x 16¼ x 1	
(2)1	1750	Refnt.	800	1	Var.	1	¼	Water Cooled	2.6	3	F22	3.5	T	1	20 x 20 x 1	
(2)1	1750	Refnt.	800	1	Var.	1	¼	Air Cooled	2.6	3	F22	7.13	T	1	20 x 20 x 1	
(2)1½	1750	Refnt.	1200	1	Var.	1	1/3	Air Cooled	3.82	3	F22	9.1	T	1	20 x 25 x 1	
(2)1½	1750	Refnt.	1200	1	Var.	1	1/3	Water Cooled	3.82	3	F22	3.75	T	1	20 x 25 x 1	
3	1750	Refnt.	1200	1	625 860	1	1/3	Water Cooled	3.77	3	F22	7	C	4	10⅞ x 13⅛ x 1	
5	1750	Refnt.	2000	1	625 800	1	½	Water Cooled	5.3	3	F22	8.6	C	4	10⅞ x 18⅛ x 1	
7½	1750	Refnt.	3000	1	550 745	1	1	Water Cooled	8.7	3	F22	10	C	4	15⅞ x 20⅛ x 1	
(2)5	1750	Refnt.	4000	1	816	1	1½	Water Cooled	10.9	3	F22		C	4	25½ x 15⅞ x 1	
(2)7½	1750	Refnt.	6000	2	835	1	2	Water Cooled	13	4	F22		C	4	30¼ x 15⅞ x 1	
(3)7½	1750	Refnt.	9000	2	760	1	3	Water Cooled	20	4	F22		C	6	(3) 16 x 25 x 1 (3) 20 x 25 x 1	
2	1740	Water	800	1	650	1	¼	Cleanable	2.7	4	F22	4	C	1	16 x 25 x 2	
3	1740	Water	1200	1	650	1	¼	Cleanable	2.7	4	F22	4	C	1	16 x 25 x 2	
5	1740	Water	2000	1	700	1	½	Cleanable	4.0	4	F12	6	C	2	15 x 20 x 1	
7½	1740	Water	3000	1	700	1	½	Cleanable	7.0	4	F12	6	C	2	15 x 20 x 1	

Commercial Air Conditioners

MODEL NO.	COOLING CAPACITY (Btu/hr)	CABINET DIMENSIONS (in.)			COMPRESSOR				
		Width	Height	Depth	Type	No. Cyl.	Bore & Stroke (inches)	RPM	Make
AUG. G. BARKOW MFG. CO., INC.									
"Barkow"									
CK2-W	24,000	31	62	21	Herm.	2		1725	Tecum.
CK3-W	36,000	31	62	21	Herm.	2		1725	Tecum.
CK5-W	60,000	38 5/16	75 1/2	23 1/4	Semi-Herm.	2	2 1/2 x 1 11/16	1725	Cope.
CK75-W	90,000	52 1/2	66 1/2	23 1/4	Semi-Herm.	3	2 3/8 x 2	1750	Cope.
CK2-A	24,000	31	62	21	Herm.	2		1725	Tecum.
CK3-A	36,000	31	62	21	Herm.	2		1725	Tecum.
CK5-A	60,000	33	68	28	Semi-Herm.	2		1750	Cope.
CK75-A	90,000	46 7/8	97 1/8	27 3/4	Semi-Herm.	3	2 3/8 x 2	1750	Cope.
AP3-A	36,000				Herm.	2		1725	Tecum.
AP5-A	64,500	55	24	54	Herm.	2		1740	Tecum.
TRANE CO.									
"Trane"									
35 SC	36,000	40 1/4	72	22 1/8	Herm.	2	1 7/8 x 1 3/8	1750	Cope.
55 SC	60,000	40 1/4	72	22 1/8	Herm.	2	2 x 2	1750	Own
75 SC	90,000	48 1/4	76	24 1/8	Herm.	3	2 x 2	1750	Own
105 SC	120,000	62 1/4	82	29 5/16	Herm.	4	2 x 2	1750	Own
155 SC	180,000	70 1/4	89	29 5/16	Herm.	6	2 x 2	1750	Own
202 SCW	240,000	71 1/4	71 1/2	40 1/4	Open DD	8	2 1/2 x 2	1750	Own
102 SCE	120,000	109 1/4	61 1/2	35 1/4	Open DD	4	2 1/2 x 2	1750	Own
152 SCE	180,000	117 1/4	68	37 3/4	Open DD	6	2 1/2 x 2	1750	Own
202 SCE	240,000	121 1/4	71 1/2	40 1/4	Open DD	8	1/2 x 2	1750	Own
THERM-AIR MFG. CO.									
"Weathertrol"									
COM-2	24,600	31	76	20	Herm.	2		1750	Tecum.
COM-3	36,800	31	76	20	Herm.	2		1750	Tecum.
COM-5	60,800	38 1/2	76	28 1/2	Herm.	4		1750	Tecum.
COM-7.5	94,400	38 1/2	76	28 1/2	Semi-Herm.	5		1750	Worth.
COM-10	121,600	64	94	30	Herm.	4		1750	Tecum.
COM-15	188,800	64	94	30	Semi-Herm.	5		1750	Worth.
LB-2	24,600	31	47	23	Herm.	2		1750	Tecum.
LB-3	36,800	31	47	23	Herm.	2		1750	Tecum.
LB-5	60,800	38 1/2	61	24	Herm.	4		1750	Tecum.
LB-7.5	94,400	38 1/2	61	24	Semi-Herm.	5		1750	Worth.
Note: Remote air cooled condensers for air cooled units also available.									
ALCO REFRIGERATION SALES & SERVICE									
"Airmaster"									
CH750		42	46	146	Herm.	4	2 1/8 x 1 1/2	1750	Servel
C750		42	46	110	Herm.	4	2 1/8 x 1 1/2	1750	Servel

COMPRESSOR MOTOR			BLOWER			BLOWER MOTOR		CONDENSER	EVAPORATOR COIL		REFRIGERANT		AIR FILTER			WATER USAGE
HP	RPM	Cooling Method	CFM	No.	RPM	No.	HP	Type	Face Area (sq. ft.)	No. Rows	Type	(lb.)	Type	No.	Dimension (inches)	(gpm/ton) 75F inlet 95F outlet
2	1725	Refnt.	800	1	650	1	1/4	Water	2.66	4	F22	4	C	1	16 x 25 x 1	
3	1725	Refnt.	1200	1	650	1	1/4	Water	2.66	4	F22	6	C	1	16 x 25 x 1	
5	1740	Refnt.	2000	1	700	1	1/3	Water	4.0	4	F12	6	C	2	15 x 20 x 1	
7 1/2	1750	Refnt.	3000	2	618	1	1/2	Water	5.62	4	F12	18	C	3	15 x 20 x 1	
2	1725	Refnt.	800	1	650	1	1/3	Air	2.66	4	F22	4	C	1	16 x 25 x 1	
3	1725	Refnt.	1200	1	650	1	1/3	Air	2.66	4	F22	6	C	1	16 x 25 x 1	
5	1750	Refnt.	2000	1	650	1	1/3	Air	4.12	4	F12	10 1/2	C	2	15 x 20 x 1	
7 1/2	1750	Refnt.	3000	2	618	1	3/4	Air	6.60	4	F12	18	C	3	15 x 20 x 1	
3	1725	Refnt.	1200			1 1	1/12 1/6	Air	2.66	4	F22	6				
5	1740	Refnt.	2000			2 2	1/6 1/12	Air	4.0	4	F22	6	C	2	15 x 20 x 1	
3	1750	Refnt.	1200	2	966	1	1/4	Coaxial Tube	4.38	2	22	5	T	2	16 x 20 x 1	
5	1750	Refnt.	2000	2	1290	1	1/2	Coaxial Tube	5.10	2	22	7 1/2	T	2	20 x 20 x 1	
7 1/2	1750	Refnt.	3000	2	1135	1	3/4	Coaxial Tube	7.50	2	22	9 1/2	T	3	16 x 25 x 1	
10	1750	Refnt.	4000	2	1016	1	1 1/2	Coaxial Tube	10.0	2	22	16	T	6	16 x 20 x 1	
15	1750	Refnt.	6000	2	930	1	2	Coaxial Tube	15.0	2	22	20	T	2 4	20 x 25 x 1 20 x 20 x 1	
20	1750	Air	8000	2	962	1	3	Shell Tube	13.3	5	F12	60	C	6	16 x 20 x 2	
10	1750	Air	4000	2	1110	1	1 1/2	Evaporative	6.67	5	F12	45	C	3	16 x 20 x 2	
15	1750	Air	6000	2	1000	1	2	Evaporative	10	5	F12	85	C	3	20 x 20 x 2	
20	1750	Air	8000	2	962	1	3	Evaporative	13.3	5	F12	96	C	6	16 x 20 x 2	
2	1750	Refnt.	800	1	Var.	1	1/4	Tube in Tube	2.8	4	F22		T	1	20 x 25 x 1	
3	1750	Refnt.	1200	1	Var.	1	1/3	Tube in Tube	2.8	4	F22		T	1	20 x 25 x 1	
5	1750	Refnt.	2000	1	Var.	1	1/2	Tube in Tube	4.1	4	F22		T	2	16 x 25 x 1	
7 1/2	1750	Refnt.	3000	1	Var.	1	3/4	Tube in Tube	5.5	4	F22		T	2	15 x 30 1/8 x 1	
(2) 5	1750	Refnt.	4000	2	Var.	1	1	Tube in Tube	8.2	4	F22		T	6	16 x 20 x 1	
(2) 7 1/2	1750	Refnt.	6000	2	Var.	1	1 1/2	Tube in Tube	11.0	4	F22		T	6	16 x 20 x 1	
2	1750	Refnt.	800	1	Var.	1	1/4	Tube in Tube	2.8	4	F22		T	1	20 x 20 x 1	
3	1750	Refnt.	1200	1	Var.	1	1/3	Tube in Tube	2.8	4	F22		T	1	20 x 20 x 1	
5	1750	Refnt.	2000	1	Var.	1	1/2	Tube in Tube	4.1	4	F22		T	2	16 x 25 x 1	
7 1/2	1750	Refnt.	3000	1	Var.	1	3/4	Tube in Tube	7.2	4	F22		T	2	15 x 30 1/8 x 1	
7 1/2	1750	Refnt.	2750	1	650	1	3/4	Air-Cooled			F22	30	T	2	15 x 25	
7 1/2	1750	Refnt.	2750	1	650	1	1/2	Air-Cooled			F22	30	T	2	15 x 25	

Commercial Air Conditioners

MODEL NO.	COOLING CAPACITY (Btu/hr)	CABINET DIMENSIONS (in.)			COMPRESSOR				
		Width	Height	Depth	Type	No. Cyl.	Bore & Stroke (inches)	RPM	Make
AMERICAN BLOWER, DIV. OF AMERICAN-STANDARD									
"American Blower"									
3C7	36,400	42	72	24	Access. Herm.	2	2 x 1¼	1750	
5C7	60,900	42	72	24	Access. Herm.	4	1 15/16 x 1¼	1750	
8C7	93,500	50	74	30	Access. Herm.	4	2 x 1 7/16	1750	
10C7	120,200	66	74	30	Access. Herm.	6	2 x 1¼	1750	
10D7	120,200	66	74	30	Access. Herm.	4	1 15/16 x 1¼	1750	
15D7	180,600	84	80	31¼	Access. Herm.	4	2 x 1 7/16	1750	
20D7	245,300	108	80	31¼	Access. Herm.	6	2 x 1¼	1750	
WORTHINGTON CORP.									
"Worthington"									
SCY-40		37¼	82⅞*	21 5/16	Herm.	2	1 15/16 x 1 7/16	1750	Own
SCY-60		48¼	86*	21 5/16	Herm.	3	1 15/16 x 1 7/16	1750	Own
SCY-80		58¼	88½*	23 11/16	Herm.	5	1 15/16 x 1 7/16	1750	Own
SCY-1050		82¼	98 5/16*	31⅛	Herm.	(2) 3	1 15/16 x 1 7/16	1750	Own
SCY-1550		82¼	98 5/16*	31⅛	Herm.	(2) 5	1 15/16 x 1 7/16	1750	Own
SAC-40		37¼	82⅞*	21 5/16	Herm.	2	1 15/16 x 1 7/16	1750	Own
SAC-60		48¼	86*	21 5/16	Herm.	3	1 15/16 x 1 7/16	1750	Own
SAC-80		58¼	88½*	23 11/16	Herm.	5	1 15/16 x 1 7/16	1750	Own
*With plenum.									
PERFECTION INDUSTRIES, DIV. OF HUPP CORP.									
"Perfection"									
PH86SC	97,500	37	73½*	24½		3	2⅜ x 2	1750	Cope.
PH96SC	101,750	52	79*	27		3	2⅜ x 2	1750	Cope.
P116SC	125,000	52	79*	27		3	3¼ x 3	800	Tecum.
P166SC	191,000	62	95*	35		3	4 x 4¼	570	Tecum.
P216SC	248,000	62	95*	35		3	4 x 4¼	760	Tecum.
P8ACCU	88,800	62	56	35		3	2⅜ x 2		Cope.
P10ACCU	121,200	62	56	35		2	2½ x 1 13/16		Cope.
PKP31-C PKP33-C	36,000	29½	70½	25¼					
PKP51-C PKP53-C	61,000	37½	70½	28⅜					
PKP83-C	97,000	48	88	31					
*Less plenum.									
AMERICAN-STANDARD, AIR COND. DIV.									
"American-Standard"									
CCA-2	24,180	25	82	22	Herm.	2	1¾ x 1.2	1725	Tecum.
CCA-3	36,040	25	82	22	Herm.	2	2 x 1.2	1725	Tecum.
CCA-5	62,900	42	88	24	Herm.	6	1¾ x 1 7/16	1725	York

COMPRESSOR MOTOR			BLOWER			BLOWER MOTOR		CONDENSER	EVAPORATOR COIL		REFRIGERANT		AIR FILTER			WATER USAGE (gpm/ton) 75F inlet 95F outlet
HP	RPM	Cooling Method	CFM	No.	RPM	No.	HP	Type	Face Area (sq. ft.)	No. Rows	Type	(lb.)	Type	No.	Dimension (inches)	
3	1750	Refnt.	1200	1	677	1	1/3	Shell & Coil	3.62	3	F22	9	C	2	17½ x 17½ x 1	
5	1750	Refnt.	2000	1	787	1	¾	Shell & Coil	4.93	3	F22	11	C	2	22 x 17½ x 1	
7½	1750	Refnt.	3000	1	623	1	1	Shell & Coil	7.30	3	F22	15	C	2	21½ x 27½ x 1	
10	1750	Refnt.	4000	2	662	1	2	Shell & Coil	10.08	3	F22	24	C	2	27½ x 29½ x 1	
(2) 5	1750	Refnt.	4000	2	662	1	2	Shell & Coil	10.08	3	F22	22	C	2	27½ x 29½ x 1	
(2)7½	1750	Refnt.	6000	2	574	1	3	Shell & Coil	14.68	3	F22	30	C	3	30 x 25¼ x 1	
(2)10	1750	Refnt.	8000	3	594	1	5	Shell & Coil	19.33	3	F22	48	C	4	30 x 25¼ x 1	
3	1750	Refnt.	1200	1	650	1	1/3	Shell-Coil	3.84	3	F22	9	T	2	16 x 20 x 1	
5	1750	Refnt.	2000	1	840	1	½	Shell-Coil	5.22	3	F22	12	T	2	20 x 20 x 1	
7½	1750	Refnt.	3000	2	850	1	¾	Shell-Coil	8.38	3	F22	14	T	3	16 x 25 x 1	
(2)5	1750	Refnt.	4000	2	(2) 800	1	1½	Shell-Coil	13.0	3	F22	26	T T	4 4	16 x 20 x 1 20 x 20 x 1	
(2)7½	1750	Refnt.	6000	2	(2) 790	1	2	Shell-Coil	13.0	4	F22	28	T T	4 4	16 x 20 x 1 20 x 20 x 1	
3	1750	Refnt.	1200	1	650	1	1/3	Remote Air Cooled	3.84	3	F22	11	T	2	16 x 20 x 1	
5	1750	Refnt.	2000	1	840	1	½	Remote Air Cooled	5.22	3	F22	13	T	2	20 x 20 x 1	
7½	1750	Refnt.	3000	2	850	1	¾	Remote Air Cooled	8.38	3	F22	16	T	3	16 x 25 x 1	
7½			2800				¾	Water Cooled	4.67	6	F12	10½	C	1 1	16 x 25 x 1 20 x 25 x 1	12.2
7½			3800				¾		7.87	4	F12	14	C	2	25 x 20 x 1	12.6
10			4000				¾		7.87	5	F12	18	C	2	20 x 25 x 1	12.7
15			6000				1½		13	5	F12	38	C	6	16 x 20 x 2	21
20			8000				2		13	6	F12	38	C		16 x 20 x 2	28.3
7½			7500				1½	Air Cooled	4.84	6	F12					
(2) 5			8600				2	Air Cooled	4.84	6	F12					
								Water Cooled			F12		C			
								Water Cooled			F12		C			
								Water Cooled			F12		C			
2	1750	Refnt.	800	1	760	1	1/3	Tube in Tube	2.11	3	F22	2.7	T	1	18 x 21 x 1	
3	1750	Refnt.	1200	1	850	1	½	Tube in Tube	2.53	4	F22	3.0	T	1	18 x 21 x 1	
5	1750	Refnt.	2000	1	770	1	½	Shell Coil	5.93	3	F22	6.63	T	1	15⅞ x 36⅞ x 1	

Room Air Conditioners

WESTINGHOUSE ELECTRIC CORP., APPLIANCE DIV.

"Westinghouse"

MODEL NO.	PROVISION FOR HEATING	CABINET DIMENSIONS (in.)			COOLING CAPACITY (Btu/hr)	ELECTRICAL CHARACTERISTICS		
		Width	Height	Depth		Volts	Amps/Watts*	Power Factor %
RW-50S		25½	15	30⅛	5400	115	7.5/750	91
RW-75S7		25½	15	30⅛	6600	115	7.5/810	91
RW-100S		25½	15	30⅛	9000	115	12.0/1300	92
RWR-100S		25½	15	30⅛	9000	115	12.0/1300	92
RW-100S2		25½	15	30⅛	10,100	230 208	7.5/1420	92
RW-75D		25½	15	31	7700	115 230 208		90
RW-100D2		25½	15	31	10,800	230 208		92
RW-150D2		25½	15	31	13,500	230 208		93
RW-200D2		25½	19	31	16,600	230	/2500	94
5AWC-75*		15½	22	20¾₁₆	6560	115 230	/1044	85
SW-75C7 SW-75D7		27	19	16		115	7.5/	
SW-100S SW-100D		27	19	16		115	12.0/	
SW-100S2 SW-100D2		27	19	16		230	8.0/	

*Casement model.

WHIRLPOOL-SEEGER CORP.

"RCA Whirlpool"

DP-775-2	No	26⅞	16½	17*		115	7.5/860	
D-775-2	No	26⅞	16½	17*		115	12.0/1180	
D-7100-3	No	26⅞	16½	17*		230	8.1/1620	
D-7150-3	No	26⅞	16½	19⅞*		230	10.1/2070	
S-7100-2	No	25⅞	17⅝	17⅝*		115	12.0/1350	
S-7100-3	No	25⅞	17⅝	17⅝*		230	7.5/1520	
S-7150-3	No	25⅞	17⅝	20¾*		230	11.0/2200	
IP-775-2	No	26⅞	16½	19⅞*		115	7.5/860	
I-7100-2	No	26⅞	16½	19⅞*		115	12.0/1380	
I-7100-3	No	26⅞	16½	17*		230	8.1/1870	
I-7150-3	No	26⅞	16½	19⅞*		230	10.1/2320	
CW-750-2	No	14½	10⅝	44		115	9.5/950	
CW-775-2	No	14½	10⅝	44		115	12.0/1250	
CH-775-2	Heat Pump	27⅛	15⅞	28¹¹⁄₁₆		115	12.0/1150	
CH-7100-3	Heat Pump	27½	15⅞	28¹¹⁄₁₆		230	8.1/1480	
C-7200-3	No	27⅛	17⅞	33⅜₁₆		230	12.0/2660	

*Flush mounting — No overhang inside room.

AIR CAPACITIES (cfm)			COMPRESSOR						EVAPORATOR FAN MOTOR		COIL DATA		REFRIGERANT		AIR FILTER		NET WT. (lb.)
Circ.	Fresh	Exhaust	Type	HP	No. Cyl.	RPM	Make	Oil Chg.	RPM	HP	Cond. (rows)	Evap. (rows)	Type	Oz.	Type	Dim. (in.)	
240			Herm.	1/2									F12				186
240			Herm.	3/4									F22				190
275			Herm.	1									F22				194
275			Herm.	1									F22				194
310			Herm.	1									F22				197
275	80	140	Herm.	3/4									F22				192
310	100	175	Herm.	1									F22				202
400	125	225	Herm.	1 1/2									F22				212
475	175		Herm.	2									F22				240
350	150		Herm.	3/4						1/16			F22		T		137
			Herm.	3/4									F22				
			Herm.	1									F22				
			Herm.	1									F22				
275	No	No	Herm.	3/4	1	1725	Tecum.	45	Hi-Lo	1/15	2	2	F22	23.5	T	11 1/8 x 14 x 1/2	152
300	No	No	Herm.	3/4	1	1725	Tecum.	45	1080	1/10	2	2	F22	25	T	11 1/8 x 14 x 1/2	152
310	No	No	Herm.	1	2	1725	Tecum.	55	1110	1/8	2	2	F22	23.5	T	11 1/8 x 14 x 1/2	165
340	No	No	Herm.	1 1/2	2	1725	Tecum.	55	1120	1/6	3	3	F22	26	T	11 1/8 x 14 x 1/2	178
310	95	140	Herm.	1	1	1725	Tecum.	45	Hi-Lo	1/8	2	2	F22	19	C	11 1/8 x 14 x 1/2	160
310	95	140	Herm.	1	2	1725	Tecum.	55	Hi-Lo	1/8	2	2	F22	17	C	11 1/8 x 14 x 1/2	160
340	150	180	Herm.	1 1/2	2	1725	Tecum.	55	Hi-Lo	1/6	3	3	F22	23	C	11 1/8 x 14 x 1/2	180
300	70	80	Herm.	3/4	1	1725	Tecum.	45	Hi-Lo	1/15	3	2	F22	34.5	C	11 1/8 x 14 x 1/2	171
310	95	140	Herm.	1	1	1725	Tecum.	45	Hi-Lo	1/8	3	2	F22	34	Elec.	10 7/16 x 12 5/16 x 1 3/4	179
310	95	140	Herm.	1	2	1725	Tecum.	55	Hi-Lo	1/8	2	2	F22	23.5	Elec.	10 7/16 x 12 5/16 x 1 3/4	165
340	150	180	Herm.	1 1/2	2	1725	Tecum.	55	Hi-Lo	1/6	3	3	F22	26	Elec.	10 7/16 x 12 5/16 x 1 3/4	178
190	50	80	Herm.	1/2	1	1725	Tecum.	45	Hi-Lo	1/20	2	2	F22	18	C	(2) 7 1/4 x 11 x 1/2	165
300	70	90	Herm.	3/4	1	1725	Tecum.	45	Hi-Lo	1/20	3	2	F22	21.5	C	(2) 7 1/4 x 11 x 1/2	185
300	70	80	Herm.	3/4	1	1725	Tecum.	45	Var.	1/20	2	2	F22	25	C	11 1/8 x 14 x 1/2	185
310	95	165	Herm.	1	2	1725	Tecum.	55	Var.	1/20	2	2	F22	21.5	C	11 1/8 x 14 x 1/2	190
440	140	185	Herm.	2	2	1725	Tecum.	55	Var.	1/12	4	4	F22	38	C	13 1/8 x 15 1/8 x 1/2	220

Room Air Conditioners

MITCHELL MFG. CO.

"Mitchell"

MODEL NO.	PROVISION FOR HEATING	CABINET DIMENSIONS (in.)			COOLING CAPACITY (Btu/hr)	ELECTRICAL CHARACTERISTICS		
		Width	Height	Depth		Volts	Amps/Watts	Power Factor %
M-257		25½	14¾	27		115	11.8/1180	90
M-2575		25½	14¾	27		115	7.5/830	92
M-2175		25½	14¾	27		115	12.0/1350	90
M-2007		25½	14¾	27		230	8.5/1500	90
M-2257		25½	14¾	27		230	9.5/2000	92
M-2357		25½	14¾	27		230	12.5/2500	92
M-557		22⅜	14¼	24½		115	11.5/1150	91
M-5575		22⅜	14¼	24½		115	7.5/740	92
M-5157		22⅜	14¼	24½		115	12.0/1350	90
M-5057		22⅜	14¼	24½		230	6.8/1425	90
M-457		26⅜	21	16⅝		115	11.8/1150	90
M-4575		26⅜	21	16⅝		115	7.5/850	92
M-4157		26⅜	21	16⅝		115	12.0/1350	90
M-4007		26⅜	21	16⅝		230	8.0/1500	90
M-4257		26⅜	21	16⅝		230	9.5/1900	92
M-3367		32	15	16¾		115	11.8/1150	90
M-3167		32	15	18¾		115	12.0/1350	90
M-3067		32	15	18¾		230	7.5/1450	90
M-3457*		15½	25⅜	23⅞		115	11.8/1100	91
M-3757*		15½	25⅜	23⅞		115	7.5/740	92
M-30157*		15½	25⅜	23⅞		115	12.0/350	90
M-3057*		15½	25⅜	23⅞		230	7.5/1450	90

*Casement models.

GREAT NORTHERN MFG. CORP.

"Northern Aire"

RA-75-1		22½	16⅞	31⅝	7700	115	10.4/220	87
RA-75-2		22½	16⅞	31⅝	6700	115	7.4/120	87
RA-75-3	Yes	22½	16⅞	31⅝	7700	115	11.9/220	87
RA-100-1	Yes	22½	16⅞	31⅝	9400	230	7.9/290	93
RA-100-2	Yes	22½	16⅞	31⅝	9400	208	8.9/290	86
RA-150-1	Yes	26⅝	19	32	11,800	230	11.0/350	93
RA-150-2	Yes	26⅝	19	32	11,800	208	12.0/350	86
RA-200-1	Yes	26⅝	19	32	17,200	230	11.0/380	93
RA-200-2	Yes	26⅝	19	32	17,200	208	12.0/380	86

AIR CAPACITIES (cfm)			COMPRESSOR						EVAPORATOR FAN MOTOR		COIL DATA		REFRIGERANT		AIR FILTER		NET WT. (lb.)
Circ.	Fresh	Exhaust	Type	HP	No. Cyl.	RPM	Make	Oil Chg.	RPM	HP	Cond. (rows)	Evap. (rows)	Type	Oz.	Type	Dim. (in.)	
285	80	90	Herm.	¾						1/10			F22		T	21 x 13 x ½	172
260	80	80	Herm.	¾						1/20			F22		T	21 x 13 x ½	172
300	90	90	Herm.	1						⅛			F22		T	21 x 13 x ½	188
300	100	90	Herm.	1						⅛			F22		T	21 x 13 x ½	188
320	100	100	Herm.	1½						⅙			F22		T	21 x 13 x ½	197
350	125	100	Herm.	2						⅕			F22		T	21 x 13 x ½	200
280	80		Herm.	¾						1/10			F22		T	14 x 10 x ½	160
260	80		Herm.	¾						1/20			F22		T	14 x 10 x ½	160
300	100		Herm.	1						1/10			F22		T	14 x 10 x ½	170
300	100		Herm.	1						1/10			F22		T	14 x 10 x ½	170
280	80	70	Herm.	¾						1/10			F22			17 x 13	165
265	80	70	Herm.	¾						1/10			F22			17 x 13	165
300	100	90	Herm.	1						1/10			F22			17 x 13	175
300	100	90	Herm.	1						⅛			F22			17 x 13	175
340	120	110	Herm.	1½						⅛			F22			17 x 13	180
280	75	100	Herm.	¾						1/10			F22			13¼ x 12¼	200
320	75	100	Herm.	1						⅛			F22			13¼ x 12¼	220
320	75	100	Herm.	1						⅛			F22			13¼ x 12¼	220
300	50			¾						1/10			F22			(2) 8½ x 11	155
240	50			¾						1/20			F22			(2) 8½ x 11	155
310	50			1						1/10			F22			(2) 8½ x 11	165
310	50			1						1/10			F22			(2) 8½ x 11	165
250	55	115	Herm.	¾	1	1725	Tecum.		1500	⅙	2	2	F22		C	17½ x 9¾ x ½	155
250	55	115	Herm.	¾	1	1725	Tecum.		1075	1/15	2	2	F22		C	17½ x 9¾ x ½	155
275	60	125	Herm.	¾	1	1725	Tecum.		1500	1/10	2	2	F22		C	17½ x 9¾ x ½	155
310	75	150	Herm.	1	1	1725	Tecum.		1700	⅛	3	3	F22		C	17½ x 9¾ x ½	180
310	75	150	Herm.	1	1	1725	Tecum.		1700	⅛	3	3	F22		C	17½ x 9¾ x ½	180
450	100	200	Herm.	1½	1	1725	Tecum.		1700	⅛	3	3	F22		C	17½ x 9¾ x ½	200
450	100	200	Herm.	1½	1	1725	Tecum.		1700	⅛	3	3	F22		C	17½ x 9¾ x ½	200
550	120	225	Herm.	2	1	1725	Tecum.		1700	⅛	4	4	F22		C	17½ x 9¾ x ½	230
550	120	225	Herm.	2	1	1725	Tecum.			⅛	4	4	F22		C	17½ x 9¾ x ½	230

Room Air Conditioners

MODEL NO.	PROVISION FOR HEATING	CABINET DIMENSIONS (in.)			COOLING CAPACITY (Btu/hr)	ELECTRICAL CHARACTERISTICS		
		Width	Height	Depth		Volts	Amps/Watts	Power Factor %
GIBSON REFRIGERATOR CO., DIV. OF HUPP CORP.								
"Gibson"								
A-721C	No	26½	16⅝	30$^{7}/_{32}$	6700	115	12.0/1120	85
A-121C	No	26½	16⅝	30$^{7}/_{32}$	8200	115	12.0/1200	87
A-731C	No	26½	16⅝	30$^{7}/_{32}$	6200	115	7.5/900	90
A-152C	No	26½	16⅝	30$^{7}/_{32}$	12,000	230	12.0/2000	90
A-222C	No	26½	16⅝	33⅜	16,000	230	12.0/2600	90
A-751C	No	26½	20½	17$^{7}/_{16}$	6700	115	12.0/1150	87
A-102C	No	26½	20½	17$^{7}/_{16}$	8200	230	10.0/1250	87
A-131C	No	26½	20½	17$^{7}/_{16}$	8200	115	12.0/1250	95
A-122C	No	26½	20½	17$^{7}/_{16}$	9000	230	10.0/1250	87
A-781C	No	26½	20½	17$^{7}/_{16}$	6400	115	7.5/800	90
A-181C	No	26½	20½	17$^{7}/_{16}$	9000	115	12.0/1250	95
FRIGIDAIRE DIV., GENERAL MOTORS CORP.								
"Frigidaire"								
A50		14½	13⅞*	36⅛		115		
A100		26	13⅞	36½		230		
AE75		26	13⅞	37		115 208 230		
AE75S		26	13⅞	37		115		
AE100		26	13⅞	37		230 208		
AE100S		26	13⅞	37		115		
AE150		26	16⅞	37		230 208		
*Front section; height of back section only 10$^{11}/_{16}$".								
AIRTEMP DIV., CHRYSLER CORP.								
"Airtemp"								
1675-12	No	26½	15⅝	4½	6300	115	7.5/840	93
1600-9	No	26½	15⅝	4½	9500	230	7.0/1300	85
1600-10	No	26½	15⅝	4½	9100	230	7.0/1300	85
1600-11	No	26½	15⅝	4½	8600	115	12.0/1300	97
1600-13	Std.	26½	15⅝	4½	8400	115	12.0/1300	97
1615-1	No	26½	15⅝	4½	12,900	230	10.0/2050	87
1620-1	No	26½	15⅝	4½	15,500	230	12.0/2520	94
1775-3	No	16¾	36¼	12⅝	6600	115	11.9/1140	88
1775-4	No	16¾	36¼	12⅝	5600	115	7.5/885	96
1850	No	20$^{13}/_{16}$	23	5	5300	115	7.5/790	90
1875	No	20$^{13}/_{16}$	23	5	7500	115 208 230	11.9/1180 6.5/1180 6.0/1180	87.5 90.2 88.5
1800	No	20$^{13}/_{16}$	23	5	9000	208 230	8.8/1340 7.9/1340	90.7 88.5

AIR CAPACITIES (cfm)			COMPRESSOR						EVAPORATOR FAN MOTOR		COIL DATA		REFRIGERANT		AIR FILTER		NET WT. (lb.)
Circ.	Fresh	Exhaust	Type	HP	No. Cyl.	RPM	Make	Oil Chg.	RPM	HP	Cond. (rows)	Evap. (rows)	Type	Oz.	Type	Dim. (in.)	
280			Herm.	¾	1	3500	Own		1070	1/12	2	2	F22		T	11 x 15 x ½	160
310		55	Herm.	1	1	3500	Own		1070-900	1/10	4	3	F22		T	11 x 15 x ½	175
280		45	Herm.	¾	1	3500	Own		1070-900	1/20	3	2	F22		T	11 x 15 x ½	160
325		55	Herm.	1½	2	1750	Tecum.		1070-900	1/10	4	4	F22		T	11 x 15 x ½	175
500		80	Herm.	2	2	1750	Tecum.		1550-1300	1/5	4	4	F22		T	11 x 15 x ½	230
275	15		Herm.	¾	1	1750	Tecum.		1050	1/10	3	2	F22		T	12 x 15 x ½	160
315	25		Herm.	1	1	1750	Tecum.		1050	⅛	3½	2	F22		T	12 x 15 x ½	175
315	25	80	Herm.	1	1	1750	Tecum.		1050-900	⅛	3½	2	F22		T	12 x 15 x ½	175
315	25	80	Herm.	1	1	1750	Tecum.		1050-900	⅛	4	2	F22		C	12 x 15 x ½	175
275	15	65	Herm.	¾	1	1750	Tecum.		1050-900	1/20	4	2	F22		C	12 x 15 x ½	160
315	25	80	Herm.	1	1	1750	Tecum.		1050-900	⅛	4	2	F22		C	12 x 15 x ½	175
160	75		Herm.	½		1750	Own		1550	1/15	4	3			T	8⅛ x 10⅞	121
300			Herm.	1	2	1725	Own		1140	⅛	3	3			T	8 x 22	188
270	120	75	Herm.	¾	1	1725	Own		1140	1/12	3	3			T	8 x 22	191
270	120	75	Herm.	¾	1	1725	Own		1140	1/12	3	3			T	8 x 22	191
300	140	90	Herm.	1	2	1725	Own		1140	⅛	4	4			T	8 x 22	199
300	140	90	Herm.	1	2	1725	Own								T	8 x 22	199
375	165	120	Herm.	1½	2	1725	Own		1140	⅛	4	4			T	10⅞ x 22	225
215			Herm.	¾	1	1750	Tecum.	45	1050	1/20	3	1	F22	26.4	T	11 x 23½ x ½	170
340	50	100	Herm.	1	2	1750	Tecum.	55	1050	1/10	4	1	F22	26.4	T	11 x 23½ x ½	185
370			Herm.	1	2	1750	Tecum.	55	1050	1/10	3	1	F22	22.4	T	11 x 23½ x ½	180
350	45	90	Herm.	1	2	1750	Tecum.	55	1050	1/10	4	1	F22	28.8	T	11 x 23½ x ½	180
350	45	90	Herm.	1	2	1750	Tecum.	55	1050	1/10	4	1	F22	32	T	11 x 23½ x ½	180
340	65	100	Herm.	1½	2	1750	Tecum.	55	1050	1/10	3	2	F22	26.4	T	11 x 23½ x ½	195
414	80	125	Herm.	2	2	1750	Tecum.	55	1500	¼	3	2	F22	30.4	T	11 x 23½ x ½	220
230	60	94	Herm.	¾	1	1750	Tecum.	45	1480	1/80	3	1	F22	16.0	T	8 x 11¼ x ⅜	140
230			Herm.	¾	1	1750	Tecum.	45	1480	1/80	3	1	F22	16.0	T	8 x 11¼ x ⅜	140
200	30	90	Herm.	½	1	1750	Tecum.	45	1150	1/50	2	1	F12	19.2	T	12¾ x 23⅜ x ½	165
290	40	110	Herm.	¾	1	1750	Tecum.	45	1400	1/50	3	2	F22	18.4	T	12¾ x 23⅜ x ½	180
325	50	120	Herm.	1	2	1750	Tecum.	55	1590	1/30	3	2	F22	21.6	T	12¾ x 23⅜ x ½	195

Room Air Conditioners

	MODEL NO.	PROVISION FOR HEATING	CABINET DIMENSIONS (in.)			COOLING CAPACITY (Btu/hr)	ELECTRICAL CHARACTERISTICS		
			Width	Height	Depth		Volts	Amps/Watts	Power Factor %
CARRIER CORP.	51N4-230	No	26⅝	15	34	9600	230	8.6/	85
"Carrier"	51A3	No	26⅝	15	31¼	7500	115 230 208	11.2/ 5.9/ 6.7/	85
	51A4	No	26⅝	15	31¼	9600	230 208	7.5/ 9.6/	85
	51A5	No	26⅝	15	31¼	14,500	230 208	11.5/ 13.4/	90
	51T3	No	26⅝	15	31¼	7500	115 230 208	11.2/ 5.9/ 6.7/	85
	51T4	No	26⅝	15	31¼	9600	230 208	7.5/ 9.6/	85
	51T5	No	26⅝	15	31¼	14,500	230 208	11.1/ 13.4/	90
	51T3-115S	No	26⅝	15	31¼	7500	115	7.5/	90
	51T4-115	No	26⅝	15	31¼	9600	115	12.0/	90
	51W3-115	Yes	41½	23½	12⅝	7500	115	10.3/	88
	51W3-230	Yes	41½	23½	12⅝	7500	230	5.75/	90
	51W4	Yes	41½	23½	12⅝	9600	230 208	7.75/ 8.7/	90
WESTERN AUTO SUPPLY CO.	6J1720	No	22½	14½		6500	115	11.5/	90
"Wizard"	6J1724	No	22½	14½		6000	115	7.5/	92
	6J1730	No	22½	14½		8300	115	12.0/	90
	6J1734	No	22½	14½		8300	115	12.0/	90
	6J1736	No	26⅜	20⅞		8800	115	12.0/	90
	6J1744	No	25⅜	14¾		12,800	230	10.5/	92
	6J1746	No	26⅜	20⅞		12,500	230	10.5/	92
	6J1754	No	25⅜	14¾		15,200	230	12.5/	92
KELVINATOR DIV., AMERICAN MOTORS CORP.	RCG 78RS		24⁷/₁₆	15¹⁵/₁₆	23½	6775	115	7.5/	93
"Kelvinator"	RCG 101R		24⁷/₁₆	15¹⁵/₁₆	23½	8230	230	7.2/	93
	RCG 108RS		24⁷/₁₆	15¹⁵/₁₆	23½	8195	115	11.2/	93
	RCG 108R		24⁷/₁₆	15¹⁵/₁₆	23½	9340	230	7.1/	89
	RCG 158R		24⁷/₁₆	15¹⁵/₁₆	23½	11,550	230	10.0/	90
	RCG 109WS		30¼	16½	17¾	8535	115	10.8/	94
	RCG 109W		30¼	16½	17¾	10,040	230	6.9/	95
	RCG 159W		30¼	16½	17¾	12,380	230	9.3/	94
	RCG 209R		27⅜	17¼	29¼	15,540	230	11.3/	96
	RCG 78C		15½	22	21¹³/₁₆	6560	115 230	11.5/	88

AIR CAPACITIES (cfm)			COMPRESSOR						EVAPORATOR FAN MOTOR		COIL DATA		REFRIGERANT		AIR FILTER		NET WT. (lb.)
Circ.	Fresh	Exhaust	Type	HP	No. Cyl.	RPM	Make	Oil Chg.	RPM	HP	Cond. (rows)	Evap. (rows)	Type	Oz.	Type	Dim. (in.)	
360	Yes	Yes	Herm.	1		1750	Tecum.			.035			F12		C		200
280	Yes	Yes	Herm.	¾		1750	Cope.			1/12			F12		C		197
310	Yes	Yes	Herm.	1		1750	Cope.			1/10			F12		C		198
415	Yes	Yes	Herm.	1½		1750	Cope.			1/6			C7		C		218
280	Yes	Yes	Herm.	¾		1750	Cope.			1/12			F12		C		199
310	Yes	Yes	Herm.	1		1750	Cope.			1/10			F12		C		200
415	Yes	Yes	Herm.	1½		1750	Cope.			1/6			C7		C		220
300	Yes	Yes	Herm.	¾		1750	Cope.			1/20			C7		C		201
325	Yes	Yes	Herm.	1		1750	Cope.			1/12			C7		C		202
260	75	75	Herm.	¾		1750	Cope.			1/12			F12		C		200
260	75	75	Herm.	¾		1750	Cope.			1/12			F12		C		200
315	75	75	Herm.	1		1750	Cope.			1/12			F12		C		200
280	No	No	Herm.	¾		1725	Tecum.		1725	1/10	2	3	F22	15	T		160
240	Yes	No	Herm.	¾		1725	Tecum.		1725	1/20	2	3	F22	15	T		160
300	No	No	Herm.	1		1725	Tecum.		1725	1/10	2	3	F22	19	T		170
300	Yes	No	Herm.	1		1725	Tecum.		1725	1/10	2	3	F22	19	T		170
300	Yes	Yes	Herm.	1		1725	Tecum.		1725	1/10	4	3	F22	21.5	T		175
320	Yes	Yes	Herm.	1½		1725	Tecum.		1725	1/6	3	2	F22	31.4	T		205
340	Yes	Yes	Herm.	1½		1725	Tecum.		1725	⅛	4	3	F22	26.2	T		180
350	Yes	Yes	Herm.	2		1725	Tecum.		1725	¼	3	2	F22	32.5	T		235
320		50	Herm.	¾			Own			1/12			F22		T	14 11/16 x 12 9/16 x ½	153
320			Herm.	1			Own			1/12			F12		T	14 11/16 x 12 9/16 x ½	161
400		70	Herm.	1			Own			1/10			F22		T	14 11/16 x 12 9/16 x ½	161
400		70	Herm.	1			Own			1/10			F22		T	14 11/16 x 12 9/16 x ½	178
400		70	Herm.	1½			Own			1/10			F22		T	14 11/16 x 12 9/16 x ½	216
375	55	75	Herm.	1			Own			⅛			F22		T	16 x 11 ⅝ x ½	165
375	55	75	Herm.	1			Own			⅛			F22		T	16 x 11 ⅝ x ½	165
375	55	75	Herm.	1½			Own			⅛			F22		T	16 x 11 ⅝ x ½	170
550	100	150	Herm.	2			Own			¼			F22		T	7 11/16 x 19 ⅝ x ½	230
300	150		Herm.	⅜			Own			1/20			F22		T	9 11/16 x 7 13/16 x ½ (2)	139

Room Air Conditioners

MODEL NO.	PROVISION FOR HEATING	CABINET DIMENSIONS (in.)			COOLING CAPACITY (Btu/hr)	ELECTRICAL CHARACTERISTICS		
		Width	Height	Depth		Volts	Amps/Watts	Power Factor %
EMERSON ELECTRIC MFG. CO.								
"Northwind"								
AC7-10 15AT	No	26½	15⅝	6	8600	115	12.0/1400	97
AC7-10 30D	No	26½	15⅝	6	9100	230	7.0/1300	85
AC7-10 30T	No	26½	15⅝	6	9500	230	7.0/1300	85
AC7-15 30D	No	26½	15⅝	6	12,500	230	9.5/1960	88
AC7-15 30T	No	26½	15⅝	6	12,900	230	10.0/2050	87
AC7-20 30T	No	26½	15⅝	6	15,500	230	12.0/2520	94
AC7-34 15D	No	22½	14¼	3½	6100	115	11.5/1160	90
AC7-34 15T	No	22½	14¼	3½	6100	115	11.5/1160	90
AC7-34 15AD	No	22½	14¼	3½	5500	115	7.5/885	90
AC7-34 15AT	No	22½	14¼	3½	5500	115	7.5/885	90
AC7-10 15AD	No	22½	14¼	3½	7800	115	12.0/1375	90
AC7-34 15AV	No	26 11/32	20⅞	2	5400	115	7.5/850	92
AC7-10 15AV	No	26 11/32	20⅞	2	8000	115	12.0/1250	90
AC7-15 30V	No	26 11/32	20⅞	2	11,800	230	8.6/1820	92
AC7-34 15AC	No	16¾	36¼	12⅛	5600	115	7.5/885	96
AC7-10 15AC	No	15½	25⅜	12	8000	115	12.0/1380	90
YORK CORP., SUB. OF BORG-WARNER CORP.								
"Snorkel"								
"Yorkaire"								
E75AP EG75AP EM75AP	No	31	24	12¾	7500	115	12.0/1450	93
E75APH EG75APH EM75APH	Yes	31	24	12¾	7500	115	12.0/1450	93
E100AP EG100AP EM100AP	No	31	24	12¾	9000	208 230	10.0/ 8.5/1750	94
E100APH EG100APH EM100APH	Yes	31	24	12¾	9000	208 230	10.0/ 8.5/1750	94
E100APR EG100APR	Yes	31	24	12¾	8800	208 230	10.0/ 8.5/1750	94
E50	No	26¼	15¾	30¼	4900	115	7.5/850	90
E75 EW75	No	26¼	15¾	30¼	7500	115 208 230	12.0/ 7.5/1310 6.5/	89
E75L EW75L	No	26¼	15¾	30¼	6250	115	7.5/970	99
E75R	Yes	26¼	15¾	30¼	7400	115 208 230	12.0/ 7.5/1310 6.5/	89
E100	No	26¼	15¾	30¼	9500	230 208	8.5/ 9.5/1685	88
E100L	No	26¼	15¾	30¼	9000	115	12.0/1340	95
E100R	Yes	26¼	15¾	30¼	9300	230 208	8.5/ 9.5/1685	88
E150	No	29	18¾	38	14,300	230 208	12.0/ 13.0/2300	87
E200	No	29	18¾	38	16,000	230 208	14.0/ 15.0/2800	87

AIR CAPACITIES (cfm)			COMPRESSOR						EVAPORATOR FAN MOTOR		COIL DATA		REFRIGERANT		AIR FILTER		NET WT. (lb.)
Circ.	Fresh	Exhaust	Type	HP	No. Cyl.	RPM	Make	Oil Chg.	RPM	HP	Cond. (rows)	Evap. (rows)	Type	Oz.	Type	Dim. (in.)	
330	45	90	Herm.	1	1	1750	Tecum.		1050	1/10	4	1	F22		T	11 x 23½ x ½	180
370			Herm.	1	2	1750	Tecum.		1140	1/10	3	1	F22		T	11 x 23½ x ½	180
340	50	100	Herm.	1	2	1750	Tecum.		1050	1/10	4	1	F22		T	11 x 23½ x ½	185
310			Herm.	1½	2	1750	Tecum.		1070	1/10	4	4	F22		T	11 x 15 x ½	175
340	65	100	Herm.	1½	2	1750	Tecum.		1050	1/10	3	2	F22		T	11 x 23½ x ½	195
414	80	125	Herm.	2	2	1750	Tecum.		1550	¼	3	2	F22		T	11 x 23½ x ½	220
280			Herm.	¾	1	1750	Tecum.		1450	1/12	1	2	F22		T	10 x 13½ x ⅛	160
280	50		Herm.	¾	1	1750	Tecum.		1450	1/12	1	2	F22		T	10 x 13½ x ⅛	160
240			Herm.	¾	1	1750	Tecum.		1080	1/20	1	2	F22		T	10 x 13½ x ⅛	160
240	50		Herm.	¾	1	1750	Tecum.		1450	1/20	1	2	F22		T	10 x 13½ x ⅛	160
300			Herm.	1	1	1750	Tecum.		1450	1/12	2	2	F22		T	10 x 13½ x ⅛	180
240	50	70	Herm.	¾	1	1750	Tecum.		1050	1/15	2	2	F22		T	13 x 21 x ⅛	162
300	70	90	Herm.	1	1	1750	Tecum.		1050	1/10	2	2	F22		T	13 x 21 x ⅛	172
340	90	90	Herm.	1½	2	1750	Tecum.		1050	⅛	4	3	F22		T	13 x 21 x ⅛	182
230			Herm.	¾	1	1750	Tecum.		1550	1/40	3	1	F22		T	11¼ x 8⅜ x ½	140
310	50		Herm.	1	1	1750	Tecum.		1480	1/10	3	2	F22		T	12 x 7½ x ⅛	150
300	Yes	Yes	Herm.	¾	2	1725	Own	35	1025 950	⅙	5	3	F22	21	C	6¾ x 21¾ x ½	200
300	Yes	Yes	Herm.	¾	2	1725	Own	35	1025 950	⅙	5	3	F22	21	C	6¾ x 21¾ x ½	200
300	Yes	Yes	Herm.	1	2	1725	Own	35	1025 950	⅙	5	3	F22	22½	C	6¾ x 21¾ x ½	200
300	Yes	Yes	Herm.	1	2	1725	Own	35	1025 950	⅙	5	3	F22	22½	C	6¾ x 21¾ x ½	200
300	Yes	Yes	Herm.	1	2	1725	Own	35	1025 950	⅙	5	3	F22	22½	C	6¾ x 21¾ x ½	200
250	Yes	Yes	Herm.	½	1	1725	Own	30	1100	1/12	1	2	F22		T	9⅞ x 16½ x ½	175
300	Yes	Yes	Herm.	¾	2	1725	Own	35	1090	1/12	2	2	F22	23¾	T	9⅞ x 16½ x ½	212
270	Yes	Yes	Herm.	¾	1	1725	Own	30	1100	1/10	3	2	F22	23½	C	9⅞ x 16½ x ½	212
300	Yes	Yes	Herm.	¾	2	1725	Own	35	1090	1/12	2	2	F22	25	C	9⅞ x 16½ x ½	212
310	Yes	Yes	Herm.	1	2	1725	Own	35	1090	⅛	3	3	F22	34	T	9⅞ x 16½ x ½	227
270	Yes	Yes	Herm.	1	2	1725	Own	35	1100	1/10	3	3	F22		C	9⅞ x 16½ x ½	227
310	Yes	Yes	Herm.	1	2	1725	Own	35	1090	⅛	3	3	F22	36	C	9⅞ x 16½ x ½	227
540	Yes	No	Herm.	1½	3	1725	Own	36	1050	1/10	4	4	F22	45	C	8⅜ x 24¾ x ¾	330
580	Yes	No	Herm.	2	3	1725	Tecum.	57	1500	¼	5	5	F22	59	C	8⅜ x 24¾ x ¾	340

Room Air Conditioners

EMERSON-QUIET KOOL CORP.

"Emerson-Quiet Kool"

MODEL NO.	PROVISION FOR HEATING	CABINET DIMENSIONS (in.)			COOLING CAPACITY (Btu/hr)	ELECTRICAL CHARACTERISTICS		
		Width	Height	Depth		Volts	Amps/Watts	Power Factor %
7P7		30	17	15¾		115	7.5/	95
7P1-2-8		30	17	15¾		115 230 208	7.5/ 12/	90
9P1		30	17	15¾		115	12/	95
9P2-8		30	17	15¾		230 208	10/	90
7K1-2-8		26¼	16	22		115 230 208	7.5/ 12/	90
9K2-8		26¼	16	22		230 208	10/	90
7K7		26¼	16	22		115	7.5/	95
9K1		26¼	16	22		115	12/	95
E7G1-2	Yes	26¼	16	23½		115 230	10/ 12/	90
E7G7		26¼	16	23½		115	7.5/	95
E10G2-8	Yes	26¼	16	32¼		230 208	10/	90
G10G25	Yes	26¼	16	32¼		230	10/	
E15G2-8		26¼	16	32¼		230 208	12/	90
E15G25		26¼	16	32¼		230	12/	
E20G2							12/	90
5S1-2-8*	Yes	30	17	15		115 230 208	6/990 9/	75
7S7*	Yes	30	17	15		115	7.5/870	95
7S1-2-8*	Yes	30	17	15		115 230 208	7.5/1250 12/	90
9S1*	Yes	30	17	15		115	12/1300	95
9S2-8*	Yes	30	17	15		230 208	10/1700	90

*Through-the-wall models.

HOTPOINT CO.

"Hotpoint"

7AMC-50	No	15½	22	21⅜₁₆	5075	115	7.6/780	
7ADC-75	No	15½	22	21⅜₁₆	6560	115 230	10.6/1040 5.4/1070	
7AM-75	No	24⅞₁₆	15¹⁵⁄₁₆	23½	6775	115	7.7/820	
7AMS-100	No	24⅞₁₆	15¹⁵⁄₁₆	23½	8195	115	11.8/1300	
7AM-100	No	24⅞₁₆	15¹⁵⁄₁₆	23½	8230	230	7.1/1400	
7ADS-100	No	30¼	16½	17⅛	8535	115	11.4/1240	
7AD-100	No	30¼	16½	17⅛	10,040	230	6.8/1480	
7AM-150	No	24⅞₁₆	15¹⁵⁄₁₆	23½	11,550	230	9.5/1940	
7AD-150	No	30¼	16½	17⅛	12,380	230	9.8/2100	
7AD-200	No	27⅜	17¼	29³²⁄₃₂	15,540	230	12.0/2510	

AIR CAPACITIES (cfm)			COMPRESSOR						EVAPORATOR FAN MOTOR		COIL DATA		REFRIGERANT		AIR FILTER		NET WT. (lb.)
Circ.	Fresh	Exhaust	Type	HP	No. Cyl.	RPM	Make	Oil Chg.	RPM	HP	Cond. (rows)	Evap. (rows)	Type	Oz.	Type	Dim. (in.)	
260	70	100	Herm.	¾											C	20 x 8½ x ½	135
260	70	100	Herm.	¾											C	20 x 8½ x ½	135
330	85	120	Herm.	1											C	20 x 8½ x ½	140
330	85	120	Herm.	1											C	20 x 8½ x ½	140
245			Herm.	¾											T	25¾ x 9½ x ½	140
270			Herm.	1											T	25¾ x 9½ x ½	155
225			Herm.	¾											T	25¾ x 9½ x ½	135
270			Herm.	1											T	25¾ x 9½ x ½	145
245	60	100	Herm.	¾						1/12					C	25¾ x 9½ x ½	150
225	60	100	Herm.	¾						1/12					C	25¾ x 9½ x ½	145
340	85	110	Herm.	1						1/12					C	21¾ x 9⅞ x ½	190
320	80	100	Herm.	1						1/12					C	21¾ x 9⅞ x ½	191
410	100	120	Herm.	1½						1/6					C	21¾ x 9⅞ x ½	210
380	90	110	Herm.	1½						1/6					C	21¾ x 9⅞ x ½	211
450	120	140	Herm.	2						1/5					C	21¾ x 9⅞ x ½	220
210	50	80	Herm.	½						1/12					C	18 x 8½ x ½	
260	70	100	Herm.	¾						1/12					C	18 x 8½ x ½	
260	70	100	Herm.	¾						1/12					C	18 x 8½ x ½	
330	85	120	Herm.	1						1/6					C	18 x 8½ x ½	
330	85	120	Herm.	1						1/6					C	18 x 8½ x ½	
225	150		Herm.	½	1	1725	Tecum.		1050	1/30	3	2	F12	18.2	C	7 13/16 x 4 11/16 x ½	130
300	150		Herm.	¾	1	1725	Tecum.		1445	1/20	3	2	F22	17.0	C	7 13/16 x 9 11/16 x ½	137
320		50	Herm.	¾	1	1725	Tecum.		1050	1/12	3	2	F22	22.0	C	12 9/16 x 14 11/16 x ½	151
400		70	Herm.	1	1	1725	Tecum.		1050	1/10	2	2	F22	22.0	C	12 9/16 x 14 11/16 x ½	151
320		50	Herm.	1	1	3450	Tecum.		1050	1/12	2	2	F12	19.1	C	12 9/16 x 14 11/16 x ½	151
375	55	75	Herm.	1	1	1725	Tecum.		1500	⅛	2	2	F22	20.8	C	11 ⅝ x 16 x ½	148
375	55	75	Herm.	1	2	1725	Tecum.		1510	⅛	2	2	F22	20.9	C	11 ⅝ x 16 x ½	167
400		70	Herm.	1½	2	1725	Tecum.		1050	1/10	3	2	F22	19.8	C	12 9/16 x 14 11/16 x ½	176
375	55	75	Herm.	1½	2	1725	Tecum.		1510	⅛	3	2	F22	22.6	C	11 ⅝ x 16 x ½	173
550	100	150	Herm.	2	2	1725	Tecum.		1445	¼	3	3	F22	26.5	C	19 3/8 x 7 11/16 x ½	220

Room Air Conditioners

MODEL NO.	PROVISION FOR HEATING	CABINET DIMENSIONS (in.)			COOLING CAPACITY (Btu/hr)	ELECTRICAL CHARACTERISTICS		
		Width	Height	Depth		Volts	Amps/Watts	Power Factor %
O. A. SUTTON CORP.								
"Vornado"								
C50-1		15½	22	21 3/16	5075	115		
C50C1T		15½	22	21 3/16	5075	115		
C75C-1		15½	22	21 3/16	6560	115		
C75C-2		15½	22	21 3/16	6560	230		
C75C-3		15½	22	21 3/16	6560	208		
W100C1		30¼	16½	16⅞	8535	115		
W100C2		30¼	16½	16⅞	10,040	230		
W100C3		30¼	16½	16⅞	10,040	208		
W150C2		30¼	16½	16⅞	12,380	230		
W150C3		30¼	16½	16⅞	12,380	208		
M200C2		27⅜	17¼	29 9/32	15,540	230		
M200C3		27⅜	17¼	29 9/32	15,540	208		
D50C-1		24 7/16	15 15/16	23½	5360	115		
L75C-1		27 7/16	15 15/16	23½	6775	115		
S100C2		24 7/16	15 15/16	23½	8230	230		
S100C3		27 7/16	15 15/16	23½	8230	208		
D100C1		24 7/16	15 15/16	23½	8195	115		
D100C2		27 7/16	15 15/16	23½	9340	230		
D100C3		27 7/16	15 15/16	23½	9340	208		
D150C2		27 7/16	15 15/16	23½	11,550	230		
D150C3		27 7/16	15 15/16	23½	11,550	208		
WELBILT CORP.								
"Welbilt"								
7025		26 9/16	19	32		208	9.5/	87
7026		26 9/16	19	32		230	9.5/	87
7023		26 9/16	19	32		208	7.0/	85
7024		26 9/16	19	32		230	8.0/	85
7827	Yes	26 9/16	18¾	17		115	10.4/	87
7828	Yes	26 9/16	18¾	17		208		87
7829	Yes	26 9/16	18¾	17		230		87
7826		26 9/16	18¾	17		230	3.2/	83
7823		26 9/16	18¾	17		115	5.0/	90
7832		26 9/16	18¾	17		115	5.0/	81

AIR CAPACITIES (cfm)			COMPRESSOR						EVAPORATOR FAN MOTOR		COIL DATA		REFRIGERANT		AIR FILTER		NET WT. (lb.)
Circ.	Fresh	Exhaust	Type	HP	No. Cyl.	RPM	Make	Oil Chg.	RPM	HP	Cond. (rows)	Evap. (rows)	Type	Oz.	Type	Dim. (in.)	
225			Herm.	1/2	1		Tecum.		1050	1/30	3	2	F12		T	9 11/16 x 7 13/16 x 1/2	130
225			Herm.	1/2	1		Tecum.		1050	1/30	3	2	F12		T	9 11/16 x 7 13/16 x 1/2	130
300			Herm.	3/4	1		Tecum.		1550	1/20	3	2	F22		T	9 11/16 x 7 13/16 x 1/2	137
300			Herm.	3/4	1		Tecum.		1550	1/20	3	2	F22		T	9 11/16 x 7 13/16 x 1/2	137
300			Herm.	3/4	1		Tecum.		1550	1/20	3	2	F22		T	9 11/16 x 7 13/16 x 1/2	137
375		75	Herm.	1	1		Tecum.		1530	1/8	2	2	F22		T	16 x 11 5/8 x 1/2	165
375		75	Herm.	1	2		Tecum.		1530	1/8	2	2	F22		T	16 x 11 5/8 x 1/2	165
375		75	Herm.	1	2		Tecum.		1530	1/8	2	2	F22		T	16 x 11 5/8 x 1/2	165
375		75	Herm.	1 1/2	2		Tecum.		1530	1/8	3	2	F22		T	16 x 11 5/8 x 1/2	170
375		75	Herm.	1 1/2	2		Tecum.		1530	1/8	3	2	F22		T	16 x 11 5/8 x 1/2	170
550		150	Herm.	2	2		Tecum.		1550	1/4	3	3	F22		T	(2) 7 11/16 x 19 5/8 x 1/2	230
550		150	Herm.	2	2		Tecum.		1550	1/4	3	3	F22		T	(2) 7 11/16 x 19 5/8 x 1/2	230
320		50	Herm.	1/2	1		Tecum.		1050	1/12	2	2	F12		T	14 11/16 x 12 9/16 x 1/2	145
320		50	Herm.	3/4	1		Tecum.		1050	1/12	3	2	F22		T	14 11/16 x 12 9/16 x 1/2	151
320		50	Herm.	1	1		Tecum.		1050	1/12	2	2	F12		T	14 11/16 x 12 9/16 x 1/2	151
320		50	Herm.	1	1		Tecum.		1050	1/12	2	2	F12		T	14 11/16 x 12 9/16 x 1/2	151
400		70	Herm.	1	1		Tecum.		1050	1/10	3	2	F22		T	14 11/16 x 12 9/16 x 1/2	151
400		70	Herm.	1	2		Tecum.		1050	1/10	3	2	F22		T	14 11/16 x 12 9/16 x 1/2	151
400		70	Herm.	1	2		Tecum.		1050	1/10	3	2	F22		T	14 11/16 x 12 9/16 x 1/2	151
400		70	Herm.	1 1/2	2		Tecum.		1050	1/10	3	2	F22		T	14 11/16 x 12 9/16 x 1/2	176
400		70	Herm.	1 1/2	2		Tecum.		1050	1/10	3	2	F22		T	14 11/16 x 12 9/16 x 1/2	176
550	120	225	Herm.	2	2		Tecum.		1050	1/4	2	3	F22		C	19 3/4 x 8	266
550	120	225	Herm.	2	2		Tecum.		1050	1/4	2	3	F22		C	19 3/4 x 8	266
450	100	200	Herm.	1 1/2	2		Tecum.		1050	1/4	2	3	F22		C	20 5/8 x 10 1/4 x 1/2	262
450	100	200	Herm.	1 1/2	2		Tecum.		1050	1/4	2	3	F22		C	20 5/8 x 10 1/4 x 1/2	262
300	100	150	Herm.	1	1		Tecum.		1050	1/8	1	3	F22		C	19 3/4 x 8 x 1/2	175
300	100	150	Herm.	1	1		Tecum.		1050	1/8	1	3	F22		C	19 3/4 x 8 x 1/2	175
300	100	150	Herm.	1	1		Tecum.		1050	1/8	1	3	F22		C	19 3/4 x 8 x 1/2	175
250	75	115	Herm.	3/4	1		Tecum.		1050	1/8	1	2	F22		C	19 3/4 x 8 x 1/2	161
250	75	115	Herm.	3/4	1		Tecum.		1050	1/8	2	1	F22		C	19 3/4 x 8 x 1/2	161
250	75	115	Herm.	3/4	1		Tecum.		1050	1/8	1	1	F22		T	19 3/4 x 8 x 1/2	161

Room Air Conditioners

MODEL NO.	PROVISION FOR HEATING	CABINET DIMENSIONS (in.)			COOLING CAPACITY (Btu/hr)	ELECTRICAL CHARACTERISTICS		
		Width	Height	Depth		Volts	Amps/Watts	Power Factor %
MODINE MFG. CO.								
"Airditioner"								
67	YES	34	25	10⅞	8000			
90	YES	38	25	10⅞	10,900			
150	YES	48	25	10⅞	18,100			
200	YES	64	25	10⅞	24,500			
Note: All models available in four types — console (free standing), concealed (floor mounted), ceiling (exposed) and overhead (concealed).								
REMINGTON CORP., AIR COND. DIV.								
"Remington"								
CONSOLAIRE		Available with mahogany or blond wood fronts or steel fronts.						
CD8G2	YES	29¾	34	12½		115		
CD8G3	YES	29¾	34	12½		230		
CD10G3	YES	29¾	34	12½		230		
CONSOLE								
10CW129	YES	37	38	21		230		
12D129	YES	37	38	21		230		
12DW129	YES	37	38	21		230		
15E129	Yes	37	38	21		230		
WINDOW								
WS7E-2	No	23	13½	28		115		85
WD8E-3	Yes	26	14⅝	29		230		87
WD10E-3	Yes	26	14⅝	29		230		89
WS7F-2	No	23	13½	26¾		115		85
WS9F-2	No	23	13½	26¾		115		90
SD7A-2	No	26½	20½	17½		115		90
SD9A-2	No	26½	20½	17½		115		90
SD10A-3	No	26½	20½	17½		230		87
WD15B-3	No	26⅝	16⅝	30¼		230		88
WD20B-3	No	26⅝	16⅝	30¼		230		90
PERFECTION INDUSTRIES, DIV. OF HUPP CORP.								
"Perfection"								
A340A		26⅛	20½	17⅜	5800	115	12.0/1250	
A101B		26⅛	20½	17⅜	8200	230	8.0/1325	
A341A		26⅝₂	20½	17⅜	7000	115	7.5/800	
A100A		26⅝₂	20½	17⅜	9000	115	12.0/1250	
A151B		26½	16⅝	30⅞₂	12,000	230	9.5/2100	
A200B		26½	16⅝	30⅜	16,000	230	12.0/2800	

AIR CAPACITIES (cfm)			COMPRESSOR						EVAPORATOR FAN MOTOR		COIL DATA		REFRIGERANT		AIR FILTER		NET WT. (lb.)
Circ.	Fresh	Exhaust	Type	HP	No. Cyl.	RPM	Make	Oil Chg.	RPM	HP	Cond. (rows)	Evap. (rows)	Type	Oz.	Type	Dim. (in.)	
220	55								1050	1/30							
300	75								1050	1/25							
440	110								1050	1/25							
640	160								1050	1/20							
285	70		Herm.	3/4	1	1725	Tecum.		1050	1/25	3	1	F22	1 1/8	C	28 1/2 x 7 5/8 x 1/2	215
285	70		Herm.	3/4	1	1725	Tecum.		1050	1/25	3	1	F22	1 1/8	C	28 1/2 x 7 5/8 x 1/2	215
360	85		Herm.	1	2	1725	Tecum.		1050	1/25	3	2	F22	1 1/4	C	28 1/2 x 7 5/8 x 1/2	230
360 400	45		Open	1	2	1725	Cope.		1050	1/25			F12		T	30 x 8 x 1	401
400 440	75		Herm.	1 1/2	2	1725	Tecum.		1050	1/20			F12		T	30 x 8 x 1	459
400 440	57		Herm.	1 1/2	2	1725	Tecum.		1050	1/20			F12		T	30 x 8 x 1	468
550	65		Herm.	2	2	1725	Tecum.		1050	1/15			F22		T	30 x 8 x 1	488
250	55		Herm.	3/4	1	1725	Tecum.		1350	1/20			F22		T	18 3/4 x 9 1/4 x 1/2	166
300	60		Herm.	3/4	1	1725	Tecum.		1050 900	1/20			F22		T	20 3/4 x 10 1/2 x 1/2	185
335	70		Herm.	1	2	1725	Tecum.		1550	1/15			F22		T	20 3/4 x 10 1/2 x 1/2	193
220			Herm.	3/4	1	1725	Tecum.		1050 850	1/15			F22		T	12 x 12	165
275			Herm.	1	1	1725	Tecum.			1/10			F22		T	12 x 12	180
225		35	Herm.	3/4	1	1725	Tecum.		1050	1/12			F22		T	12 x 15 x 1/2	160
310		50	Herm.	1	1	1725	Tecum.		1050	1/6			F22		T	12 x 15 x 1/2	175
310		50	Herm.	1	2	1725	Tecum.		1050	1/6			F22		T	12 x 15 x 1/2	180
330		60	Herm.	1 1/2	2	1725	Tecum.		1050	1/10			F22		T	13 x 14 x 1/2	175
490		80	Herm.	2	2	1725	Tecum.		1550	1/5			F22		T	13 x 14 x 1/2	225
	15		Herm.	3/4													185
	25		Herm.	1													200
	15	65	Herm.	3/4													195
	25	80	Herm.	1													219
			Herm.	1 1/2													220
			Herm.	2													260

Room Air Conditioners

MODEL NO.	PROVISION FOR HEATING	CABINET DIMENSIONS (in.)			COOLING CAPACITY (Btu/hr)	ELECTRICAL CHARACTERISTICS		
		Width	Height	Depth		Volts	Amps/Watts	Power Factor %
MUELLER CLIMATROL, DIV. WORTHINGTON CORP.								
"Mueller Climatrol"								
910-100	No	29 7/8	27 5/16	10 5/8	10,500	230	12.7/	90
920-75	Opt.	32 1/2	30	15 1/2	8700	208/230	6.3/	90
920-100	Opt.	32 1/2	30	15 9/16	11,400	208/230	8.1/	90
920-101	Opt.	37	23 3/8	13 7/8	11,400	208/230	8.1/	90
ED FRIEDRICH, INC.								
"FloatingAir"								
7W751S	No	27 3/16	17 13/16	4 1/4	9150	115	10.4/1112	94
7W1002S	No	27 3/16	17 13/16	4 1/4	12,050	230	6.6/1420	94
7W1502S	No	27 3/16	19 13/16	4 1/4	18,040	230	9.0/1973	96
7W2002S	No	27 3/16	19 13/16	4 1/4	20,000	230	11.7/2500	94
7W751D	No	25 11/16	16 3/8	3 3/4 to 12 3/4	6750	115	7.6/799	92
7W1002D	No	25 11/16	16 3/8	3 3/4 to 12 3/4	9750	230	6.3/1230	94
ADMIRAL CORP.								
"Slim Line"								
75U7		26 1/4	20	16 3/4		115	7.5/810	92
100U12		26 1/4	20	16 3/4		115	12/1300	92
75M7		26 1/4	20	16 3/4		115	7.5/810	92
100M12		26 1/4	20	16 3/4		115	12/1300	92
100M23		26 1/4	20	16 3/4		230	7.5/1500	90
150M23		26 1/4	20	16 3/4		230	10.5/2250	90
200M23		26 1/4	20	20 1/2		230	12/2450	92
NATIONAL STEEL CONSTRUCTION CO.								
"National"								
N-54S	No	26 1/4	15	12 3/8	6000	115	11.5/	
NT-504D	No	27 1/2	16 3/8	12 3/8	6400	115	11.5/	
NT-754D	Std.	27 1/2	17	10 5/8	8700	115 230	15/ 8/	
NT-104D	Std.	27 1/2	17	10 5/8	11,500	230	7.8/	
KING REFRIGERATOR CORP.								
"King"								
SLA-57	No	25	20 1/2	16 1/2	6800	115	7.5/	
SL-1115		25	20 1/2	16 1/2	9200	115	12.0/	
SL-1000		25	20 1/2	16 1/2	10,500	230	6.8/	

AIR CAPACITIES (cfm)			COMPRESSOR						EVAPORATOR FAN MOTOR		COIL DATA		REFRIGERANT		AIR FILTER		NET WT. (lb.)
Circ.	Fresh	Exhaust	Type	HP	No. Cyl.	RPM	Make	Oil Chg.	RPM	HP	Cond. (rows)	Evap. (rows)	Type	Oz.	Type	Dim. (in.)	
370	0-50	50	Herm.	1	2	1725	Tecum.	55	1050	25*	2	2	F22	31.7	C	24 x 11 x 1	285
380	0-100	100	Herm.	¾	2	1725	Tecum.	45	1050	35*	2	2	F22	32	C	27 x 9¾ x 1	355
380	0-100	100	Herm.	1	2	1725	Tecum.	55	1050	35*	2	2	F22	30.9	C	27 x 9¾ x 1	370
380	0-100	100	Herm.	1	2	1725	Tecum.	55	1050	35* *Mhp	2	2	F22	32.2	C	27 x 9¾ x ½	
355	255	No	Herm.	¾	2	1725	Tecum.	55	910 1130	1/20	3	3	F12		T	9⅛ x 20½ x ½	210
355	255	No	Herm.	1	2	1725	Tecum.	55	910 1130	1/12	3	3	F22	40	T	9⅛ x 20½ x ½	210
515	275	No	Herm.	1½	2	1725	Tecum.	55	910 1130	1/6	4	4	F22	85.5	T	12¼ x 20½ x ½	270
515	275	No	Herm.	2	2	1725	Tecum.	55	910 1130	1/6	4	4	F22		T	12¼ x 20½ x ½	270
335	No	No	Herm.	¾	1	1725	Tecum.	55	1050	1/20	2	1	F22	26	T	9⅛ x 20½ x ½	200
380	No	No	Herm.	1	2	1725	Tecum.	55	1050	⅛	2	2	F22	32.25	T	9⅛ x 20½ x ½	200
250			Herm.	¾	1	1725	Tecum.	45	1085	.035	2	2	F22	16	T	11⅛ x 17⅙ x ½	141
300			Herm.	1	1	1725	Tecum.	45	1085	1/20	3	3	F22	23	T	11⅛ x 17⅙ x ½	154
260	55	55	Herm.	¾	1	1725	Tecum.	45	1085 975	.035	2	2	F22	16	C	11⅛ x 17⅙ x ½	144
300	70	70	Herm.	1	1	1725	Tecum.	45	1085 975	1/20	3	3	F22	23	C	11⅛ x 17⅙ x ½	156
320	75	75	Herm.	1	2	1725	Tecum.	55	1050 930	1/12	3	3	F22	24	C	11⅛ x 17⅙ x ½	161
380	90	90	Herm.	½	2	1725	Tecum.	55	1500 1375	1/6	3	3	F22	28	C	11⅛ x 17⅙ x ½	169
500	100	100	Herm.	2	2	1725	Tecum.	55	1625 1425	1/6	4	4	F22	30	C	11⅛ x 17⅙ x ½	185
235	235	No	Herm.	½	1	1725	Tecum.		1550 1275	1/35	2	2	F12	24	T	14 x 9 x 1	230
250	250	No	Herm.	½	1	1725	Tecum.		1550 1275	1/35	2	2	F12	24	T	14 x 9 x 1	204
306	306	No	Herm.	¾	2	1725	Tecum.		1550 1275	1/20	3	2	F22	28	T	19½ x 9½ x 1	222
376	376	No	Herm.	1	2	1725	Tecum.		1550 1275	1/20	4	3	F22	31	T	19½ x 9½ x 1	238
250	Yes	No	Herm.	¾	1	1725	Tecum.		1050	1/20	2	2	F22		C	14 x 10½ x ½	172
300	Yes	No	Herm.	1	1	1725	Tecum.		1550	1/20	3	3	F22		C	14 x 10½ x ½	178
300	Yes	No	Herm.	1	2	1725	Tecum.		1550	1/20	3	3	F22		C	14 x 10½ x ½	181

Room Air Conditioners

MODEL NO.	PROVISION FOR HEATING	CABINET DIMENSIONS (in.) Width	Height	Depth	COOLING CAPACITY (Btu/hr)	ELECTRICAL CHARACTERISTICS Volts	Amps/Watts	Power Factor %
PHILCO CORP.								
"Philco"								
A873-2	No	26 1/4	15 23/32	30 3/8		115	7.5/850	
A1071-2	No	26 1/4	15 23/32	30 3/8		115	12.0/1220	
A1071-11	No	26 1/4	15 23/32	30 3/8		230	7.5/1540	
A1072-2	No	25 27/32	15 15/16	20 3/16		115	12.0/1350	
A1072-23	No	25 27/32	15 15/16	20 3/16		230 208	7.5/ 8.5/1540	
A1074-2	No	25 27/32	15 15/16	23 5/8		115	12.0/1350	
A1074-23	No	25 27/32	15 15/16	23 5/8		230 208	7.5/ 8.5/1540	
A1076-2	Heat Pump*	26 1/4	15 23/32	30 3/8		115	12.0/1220	
A1076-11	Heat Pump*	26 1/4	15 23/32	30 3/8		230	7.5/1504	
A2072-23	No	26 11/32	18 5/16	35 1/8		230 208	11.0/ 12.0/2450	
284-2	Steam Coil**	33	23 3/4	13 3/4		115	12.5/1260	
288-2	Electric Heat*	33	23 3/4	13 3/4		115	12.5/1260	
2102-11	Steam Coil**	33	23 3/4	13 3/4		230	8.5/1700	
2102-19	Steam Coil**	33	23 3/4	13 3/4		208	9.5/1700	
2107H-10	Steam Coil*	33	23 3/4	13 3/4		230	8.5/1700	
2107H-18	Steam Coil*	33	23 3/4	13 3/4		208	9.5/1700	
*Standard **Optional								
GENERAL ELECTRIC CO., MAJOR APPLIANCE DIV.								
"G.E."								
R31P16	No	25	20 3/8	16 1/2	5500	115	/800	91
R41P16	No	25	20 3/8	16 1/2	6600	115	7 1/2/	92
R51P16	No	25	20 3/8	16 1/2	7500	115**	/290	87
R61P16	No	25	20 3/8	16 1/2	9000	115	12/	94
R71P26	No	25	20 3/8	16 1/2	10,100	230	/1480	92
R101P26	No	25	20 3/8	19 1/2	13,350	230	/2150	93
R52P16	No	25	20 3/8	16 1/2	7700	115**	/1150	92
R72P26	No	25	20 3/8	16 1/2	10,100	230	/1480	92
R53P26	Yes*	25	20 3/8	16 1/2	7400	230	/1150	92
R73P26	Yes*	25	20 3/8	19 1/2	9900	230	/1480	92
*Reverse cycle above 42°F outside; resistance heat below 42°F outside. **Also available in 230 volt model.								
NATIONAL-U.S. RADIATOR CORP.								
"Capitolaire"								
WIN-B-75		25	15	30 5/8	8600	115		88
WIN-B-100		25	15	33 5/8	11,800	230		89
WIN-B-150		25	17	36	15,500	230		88

AIR CAPACITIES (cfm)			COMPRESSOR						EVAPORATOR FAN MOTOR		COIL DATA		REFRIGERANT		AIR FILTER		NET WT. (lb.)
Circ.	Fresh	Exhaust	Type	HP	No. Cyl.	RPM	Make	Oil Chg.	RPM	HP	Cond. (rows)	Evap. (rows)	Type	Oz.	Type	Dim. (in.)	
295	95		Herm.	¾	1	1725	Tecum.	45	1100	1/10	2	2	F22	20.5	T	½ x 9⅞ x 16½	176
310	100		Herm.	1	1	1725	Tecum.	45	1100	1/10	2	3	F22	20	T	½ x 9⅞ x 16½	180
310	100		Herm.	1	2	1725	Tecum.	55	1130	⅛	3	3	F22	25	T	½ x 9⅞ x 16½	189
310	70		Herm.	1	1	1725	Tecum.	45	1350	⅙	5	3	F22	19	T	½ x 9¼ x 12⅞	175
310	70		Herm.	1	2	1725	Tecum.	55	1540	⅙	6	4	F22	20	T	½ x 9¼ x 12⅞	180
310	100		Herm.	1	1	1725	Tecum.	45	1350	⅙	5	3	F22	19	Elec.	9¼ x 12⅞	192
310	100		Herm.	1	2	1725	Tecum.	55	1540	⅙	6	4	F22	20	Elec.	9¼ x 12⅞	197
310	100	25	Herm.	1	1	1725	Tecum.	45	1100	1/10	2	3	F22	20.5	T	½ x 9⅞ x 16½	183
310	100	25	Herm.	1	2	1725	Tecum.	55	1130	⅛	3	3	F22	25	T	½ x 9⅞ x 16½	192
540	100		Herm.	2	2	1725	Tecum.	55	1140	⅓	3	4	F22	32.1	C	½ x 10½ x 20½	235
275	100	130	Herm.	¾	2	1725	York	22	1140	1/10	4	3	F22	20	T	½ x 10 x 14	180
275	100	130	Herm.	¾	2	1725	York	22	1140	1/10	4	3	F22	20	T	½ x 10 x 14	180
285	100	130	Herm.	1	2	1725	York	22	1140	1/10	6	4	F22	22	C	½ x 10 x 14	190
285	100	130	Herm.	1	2	1725	York	22	1140	1/10	6	4	F22	22	C	½ x 10 x 14	190
285	100	130	Herm.	1	2	1725	York	22	1140	1/10	6	4	F22	22	C	½ x 10 x 14	197
285	100	130	Herm.	1	2	1725	York	22	1140	1/10	6	4	F22	22	C	½ x 10 x 14	197
			Herm.	½	1	1725	Tecum.	47½	1100	.035	2	2	F12 G12	18¼	T	17⅛ x 9⅜	137
			Herm.	¾	1	1725	Tecum.	47½	1100	.035	2	3	F22 G141	22½	T	17⅛ x 9⅜	140
			Herm.	¾	1	1725	Tecum.	47½	1050	1/12	2	2	F22 G141	19	T	17⅛ x 9⅜	143
			Herm.	1	1	1725	Tecum.	47½	1600 1350	1/20	2	2	F22 G141	24½	T	17⅛ x 9⅜	148
			Herm.	1	2	1725	Tecum.	57½	1550 1250	1/20	3	3	F22 G141	22	T	17⅛ x 9⅜	154
			Herm.	1½	2	1725	Tecum.	57½	1630 1350	1/12	3	4	F22 G141	31¼	T	17⅛ x 9⅜	184
			Herm.	¾	1	1725	Tecum.	47½	1100	.035	2	2	F22 G141	20	C	17⅛ x 9⅜ 21½ x 7⅛	147
			Herm.	1	2	1725	Tecum.	57½	1550 1250	1/20	3	3	F22 G141	23	C	17⅛ x 9⅜ 21½ x 7⅛	156
			Herm.	¾	1	1725	Tecum.	47½	1100	.035	2	2	F22 G141	20	C	17⅛ x 9⅜ 21½ x 7⅛	164
			Herm.	1	2	1725	Tecum.	57½	1550 1250	1/20	3	3	F22 G141	30	C	17⅛ x 9⅜ 21½ x 7⅛	172
290	60	200	Herm.	¾			Tecum.		1050 850	1/15	3	2	F22				195
375	95	255	Herm.	1			Tecum.		1050 850	1/10	4	3	F22				230
450	120	300	Herm.	1½			Tecum.		1100 900	1/10	3	3	F22				250

Room Air Conditioners

KAUFFMAN AIR CONDITIONING CO.

"Kauffman"

MODEL NO.	PROVISION FOR HEATING	CABINET DIMENSIONS (in.)			COOLING CAPACITY (Btu/hr)	ELECTRICAL CHARACTERISTICS		
		Width	Height	Depth		Volts	Amps/Watts	Power Factor %
X*	Yes	27	14	27	9100			90
J*	Yes	27	14	27	12,000			86
K	Yes	29	16	30	16,000			90
L	Yes	29	16	30	20,000			90
W**	Yes	20	40	20	9300			85
A**	Yes	30	40	20	12,000			85
B**	Yes	32	42	20	16,500			85
C**	Yes	32	43	23	22,500			85
IWX***	Yes	28	14	18	9100			90
IWJ***	Yes	28	14	18	12,000			86
HC75	Yes	12	28	42	8000	115	12	85
HC100	Yes	12	28	42	11,000	230	8	85

* Available in d.c. models. ** Floor type, a.c. or d.c., air or water cooled.
*** In-wall type units.

TRANE CO.

"Trane"

22DD*	Yes	36	25	9	6000	115	1.4/79	55
32DD*	Yes	42	25	9	9000	115	1.6/102	57.5
42DD*	Yes	48	25	9	12,000	115	2.1/132	55
62DD*	Yes	60	25	9	18,000	115	2.8/181	58.6

*Vertical cabinet for use with remote source of heating and cooling water.

AMANA REFRIGERATION, INC.

"Amana"

50-LD2		25-26¼	14⅛-15⅛	23	5000	115	7.5/750	
75-LD2		25-26¼	14⅛-15⅛	23	6000	115	7.5/850	
100-D2		25-26¼	14⅛-15⅛	23	9000	115	11.5/1225	
75-LA2	Yes	25	15	32⅛	6000	115	7.5/850	
75-A2	Yes	25	15	32⅛	7500	115	10.5/1100	
100-A2	Yes	25	15	32⅛	9200	115	12.0/1350	
100-A3	Yes	25	15	32⅛	10,200	230	8.0/1600	
150-A3	Yes	25	15	31⅜	13,600	230	9.5/2050	
200-A3	Yes	25	15	31⅜	15,750	230	11.5/2400	
75-LF2		27	17	15½	6000	115	7.5/850	
100-F3		27	17	15½	10,200	230	8.0/1600	

AIR CAPACITIES (cfm)			COMPRESSOR						EVAPORATOR FAN MOTOR		COIL DATA		REFRIGERANT		AIR FILTER		NET WT. (lb.)
Circ.	Fresh	Exhaust	Type	HP	No. Cyl.	RPM	Make	Oil Chg.	RPM	HP	Cond. (rows)	Evap. (rows)	Type	Oz.	Type	Dim. (in.)	
325	100	175	Herm.	¾	1	1725	Tecum.		1050	1/10	2	2	F22	1.3†	C	11 x 11½	195
350	115	190	Herm.	1	2	1725	Tecum.		1050	⅛	3	2	F22	1.9†	C	11 x 11½	220
400	125	200	Herm.	1½	2	1725	Tecum.		1050	⅛	3	2	F22	2†	C	13 x 14	240
450	125	200	Herm.	2	2	1725	Tecum.		1050	¼	4	2	F22	2.5†	C	13 x 14	275
325	100	170	Herm.	¾	1	1725	Tecum.		1050	1/10		6	F22	1.5†	C	12 x 16	315
375	125	200	Herm.	1	2	1725	Tecum.		1050	⅛		6	F22	2†	C	12 x 20	350
420	125	200	Herm.	1½	2	1725	Tecum.		900	⅛		8	F22	2.4†	C	14 x 24	410
550	175	250	Herm.	2	2	1725	Tecum.		900	¼		8	F22	2.8†	C	16 x 22	500
325	100	175	Herm.	¾	1	1725	Tecum.		1050	1/10	2	2	F22	1.3†	C	11 x 11½	200
350	115	190	Herm.	1	2	1725	Tecum.		1050	⅛	3	2	F22	1.9†	C	11 x 11½	220
300	40	25	Herm.	¾	2	1725	Tecum.		1100	¼	4	4	F22	20	C	10 x 18	220
400	70	40	Herm.	1	2	1725	Tecum.		1100	⅓	4	4	F22	28	C	12 x 19	245
														†Pounds			
200	50								1550	1/30		2			C or T	8¼ x 15¾ x 1	90
300	75								1550	1/25		2			C or T	8¼ x 21¾ x 1	100
400	100								1550	1/20		2			C or T	8¼ x 27¾ x 1	115
600	150								1550	1/12		2			C or T	8¼ x 39¾ x 1	145
225				½						1/15					T	18¼ x 9⅜ x ½	118
270				¾						1/15					T	18¼ x 9⅜ x ½	124
285				1						1/12					T	18¼ x 9⅜ x ½	140
295				¾						1/18					T	18¼ x 9⅜ x ½	178
295				¾						1/15					T	18¼ x 9⅜ x ½	185
375				1						⅛					T	18¼ x 9⅜ x ½	188
375				1						⅛					T	18¼ x 9⅜ x ½	195
415				1½						⅕					T	18¼ x 9⅜ x ½	208
415				2						⅕					T	18¼ x 9⅜ x ½	216
				¾						1/20					T	18¼ x 9⅜ x ½	148
				1						1/12					T	18¼ x 9⅜ x ½	158

Room Air Conditioners

FEDDERS-QUIGAN CORP.

"Fedders"

MODEL NO.	PROVISION FOR HEATING	CABINET DIMENSIONS (in.)			COOLING CAPACITY (Btu/hr)	ELECTRICAL CHARACTERISTICS		
		Width	Height	Depth		Volts	Amps/Watts	Power Factor %
79AW-2*		27	16¼	17¼		115	7.5/850	95
711AW-2*		27	16¼	17¼		115	12.0/1300	97
711AW-3-5*		27	16¼	17¼		230 208		
716BW-3-5*		27	16¼	20¼		230 208		
720T-3		27⅛	17⅞	28⅜₁₆		230	11.0/2300	87
720T-5		27⅛	17⅞	28⅜₁₆		208	12.1/2300	93
76CW-2**		15½	12¾	29¹⁄₁₆		115	9.6/900	83
79CW-2**		15½	12¾	29¹⁄₁₆		115	12.0/1200	88
711C-5		27	16¼	17¼		208	8.6/1500	87
716C-5		27	16¼	20¼		230	11.4/2000	87
79CS-2		27	16¼	20¼		115	7.5/880	96
711CS-2		27	16¼	20¼		115	11.4/1100	96
79D-2		27	16¼	17¼		115	12.0/1100	86
720C-3		27⅛	17⅞	28⅜₁₆		230	11.1/2300	87
720C-5		27⅛	17⅞	28⅜₁₆		208	12.0/2300	93
79DS-2		27	16¼	17¼		115	7.5/850	95
711DS-2		27⅛	15⅞	24¹⁄₁₆		115	11.0/1200	97
711D-3 711C-3		27	16¼	17¼		230	8.0/1600	85
716D-3 716C-3		27	16¼	20¼		230	9.9/2000	88
711CH-3	Reverse Cycle	27	16¼	17¼		230	8.0/1500	85
711CSH-2	Reverse Cycle	27	16¼	20¼		115	11.4/1300	96
711CSE-2		27	16¼	20¼		115	11.4/1100	96

*Through-the-wall models.
**Casement models.
***Replaceable electronic.

AIR CAPACITIES (cfm)			COMPRESSOR						EVAPORATOR FAN MOTOR		COIL DATA		REFRIGERANT		AIR FILTER		NET WT. (lb.)
Circ.	Fresh	Exhaust	Type	HP	No. Cyl.	RPM	Make	Oil Chg.	RPM	HP	Cond. (rows)	Evap. (rows)	Type	Oz.	Type	Dim. (in.)	
			Herm.	¾	1		Tecum.		1120	1/6	2	2	F22		T	11⅛ x 14 x ½	
			Herm.	1	1		Tecum.		1070	1/15	2	2	F22		T	11⅛ x 14 x ½	
			Herm.	1	1				1080	⅛	2	2	F22		T	11⅛ x 14 x ½	
			Herm.	1½	2				1120	1/6	3	3	F22		T	11⅛ x 14 x ½	
440			Herm.	2	2		Tecum.		1140	1/12	4	4	F22		T	13⅛ x 13⅛ x ½	225
440			Herm.	2	2		Tecum.		1140	1/12	4	4	F22		T	13⅛ x 13⅛ x ½	225
190	80	80	Herm.	½	1		Tecum.		1550	1/15	2	2	F22		T	(2)11 x 7¼ x ½	165
250	90	90	Herm.	¾	1		Tecum.		1550	1/15	3	2	F22		T	(2)11 x 7¼ x ½	185
340	140	165	Herm.	1	2		Tecum.		1110	⅛	2	2	F22		T	11⅛ x 14 x ½	165
365	150	180	Herm.	1½	2		Tecum.		1120	1/6	3	3	F22		T	11⅛ x 14 x ½	178
300	80	80	Herm.	¾	1		Tecum.		1075	1/15	3	2	F22		T	11⅛ x 14 x ½	171
340	140	165	Herm.	1	1		Tecum.		1080	1/12	3	2	F22		T	11⅛ x 14 x ½	179
300	80	70	Herm.	¾	1		Tecum.		1080	1/18	2	2	F22		T	11⅛ x 14 x ½	152
440	140	185	Herm.	2	2		Tecum.		1140	⅛	4	4	F22		T	13⅛ x 13⅛ x ½	220
440	140	185	Herm.	2	2		Tecum.		1140	1/12	4	4	F22		T	13⅛ x 13⅛ x ½	220
275	80	80	Herm.	¾	1		Tecum.		1075	1/15	2	2	F22		T	11⅛ x 14 x ½	152
340	95	165	Herm.	1	1		Tecum.		1065	1/20	3	2	F22		T	13⅛ x 13⅛ x ½	180
340	140	165	Herm.	1	2		Tecum.		1110	⅛	2	2	F22		T	11⅛ x 14 x ½	165
365	150	180	Herm.	1½	2		Tecum.		1120	1/6	3	3	F22		T	11⅛ x 14 x ½	178
340	140	165	Herm.	1	2		Tecum.		1110	⅛	2	2	F22		T	11⅛ x 14 x ½	165
340	140	165	Herm.	1	1		Tecum.		1080	1/12	3	2	F22		T	11⅛ x 14 x ½	179
340	140	165	Herm.	1	1		Tecum.		1080	1/15	3	2	F22		***	10⅞ x 12⅝ x 1¾	189

Heat Pumps

	MODEL NO.	CABINET DIMENSIONS (in.)			COOLING CAPACITY (Btu/hr)	HEATING CAPACITY (Btu/hr)	COMPRESSOR			
		Width	Height	Depth			No. Cyl.	Type	RPM	Make
PEERLESS CO.	CPA-3	25	64½	27	33,000	*	2	Herm.	1725	Tecum.
"Clima-Pump"	CPA-5	48	72½	32	55,000	*	4	Herm.	1725	Tecum.
	*Dependent on operating conditions.									
INTERNATIONAL OIL BURNER CO.										
"Weatherwand"	HP-2100	18	71	24	17,850	18,500		Herm.		Tecum.
AIR PRODUCTS MFG. CO.	55WW	52	72	24	120,000	100,000	2	Herm.	1750	Carrier
"Electri-Aire"	5WW	52	72	24	60,000	60,000	3	Herm.	1750	Carrier
	20WW	62	82	30	240,000	200,000	6	Herm.	1750	Carrier
W. W. McMILLAN CO.	20-1A	26¾	59½	22¼	24,300	34,200	2	Herm.	1750	Cope.
"Comfortaire"	30-1A	32¾	70¼	22¼	37,200	47,400	2	Herm.	1750	Cope.
	50-1A	43¼	76½	24¾	60,800	78,700	2	Herm.	1750	Cope.
	75-1A	56	79	27¾	94,700	117,300	3	Herm.	1750	Cope.
	100-1A	57¾	88	29¾	121,600	158,100	3	Herm.	1750	Cope.
	100-1A (D)	57¾	88	29¾	121,600	158,100	2 (2)	Herm.	1750	Cope.
	150-1A	80	95	34	189,400	231,000	(2) 3	Herm.	1750	Cope.
	200-1A	80	99	44	242,600	316,100	3 (2)	Herm.	1750	Cope.
CARRIER CORP.	64Q9	Indoor Fan Coil: 48⅜	22¾	36	53,500	119,200*	4	Semi-Herm.	1250	Own
"Carrier"		Outdoor Section: 42¼	27¹³⁄₁₆	59⅜						
	*Maximum with accessory heaters.									

COMPRESSOR MOTOR			BLOWER			BLOWER MOTOR		CONDENSER	EVAPORATOR COIL		REFRIGERANT		AIR FILTER			WATER USAGE (gpm/ton) 75F inlet 95F outlet
HP	RPM	Cooling Method	CFM	No.	RPM	No.	HP	Type	Face Area (sq. ft.)	No. Rows	Type	(lb.)	Type	No.	Dimension (inches)	
3		Refnt.	3200	1		1	1/3	Tube & Fin	3.5	4	F22		T	1	20 x 20	
5		Refnt.	5400	1		1	1/2	Tube & Fin	3.5	4	F22		T	2	20 x 40	
1¾	1725	Refnt.	650	1	1050	1	1/6	Air-to-Air					T	1	15 x 30	
10	1750	Water	4000		520	1	1/2	Shell-Tube	8	4	F22	30	T	4	20 x 25 x 1	1½
5	1750	Water	1200		520	1	1/3	Shell-Tube	7	3	F22	20	T	2	20 x 25 x 1	1½
20	1750	Water	8000		800	2	1/3	Shell-Tube	16	6	F22	40	T	8	20 x 25 x 1	1½
2	1750	Refnt.	800	1	600-800	1	¼	Water	1.9	4	F12	9	T	1	16 x 20 x 1	1.5
3	1750	Refnt.	1200	1	600-800	1	1/2	Water	3.1	6	F12	18	T	1	20 x 25 x 1	1.5
5	1750	Refnt.	2000	1	600-800	1	½	Water	5.1	6	F12	26	T	1 1	16 x 20 x 1 20 x 20 x 1	1.5
7½	1750	Refnt.	3000	2	600-800	1	¾	Water	7.3	6	F12	39	T	2	20 x 25 x 1	1.5
10	1750	Refnt.	4000	2	600-800	1	1	Water (2)	10.1	6	F22	50	T	2 2	16 x 25 x 1 16 x 20 x 1	1.5
(2) 5	1750	Refnt.	4000	2	600-800	1	1	Water (2)	10.1	6	F12	54	T	2 2	16 x 20 x 1 16 x 25 x 1	1.5
(2) 7½	1750	Refnt.	6000	2	600-800	1	2	Water (2)	14.9	6	F12	80	T	2 2	16 x 20 x 1 16 x 25 x 1	1.5
(2) 10	1750	Refnt.	8000	2	600-800	1	3	Water (2)	20.6	6	F22	90	T	6 3	16 x 20 x 1 16 x 25 x 1	1.5
5	1750	Refnt.	2000	1		1 (Indoor)	1/3	Air-Cooled	5.15	2	12	16	T	2	20 x 20 x 1	
			4000	1		1 (Outdoor)	1	Air-Cooled	7	3						

Heat Pumps

	MODEL NO.	CABINET DIMENSIONS (in.)			COOLING CAPACITY (Btu/hr)	HEATING CAPACITY (Btu/hr)	COMPRESSOR			
		Width	Height	Depth			No. Cyl.	Type	RPM	Make
ACME INDUSTRIES, INC. "Flow-Temp"	FTV2	47	36	25	25,500	33,600	2	Herm.	1750	Cope.
	FTV3	47	36	25	36,700	50,400	2	Herm.	1750	Cope.
	FTV5	49	37	25	58,900	84,000	2	Herm.	1750	Cope.
	FTV8	67	39	27	84,200	126,000	3	Herm.	1750	Cope.
	FTV10	76	50	29	115,800	168,000	(2)2	Herm.	1750	Cope.
	FTV15	94	50	29	165,500	252,000	(2)3	Herm.	1750	Cope.
GENERAL ELECTRIC CO., AIR COND. DIV. "Weathertron"	WT64-C1, 2	48	84¼	28⅜₁₆	56,000	66,750 (+20°F)	2	Herm.	1725	Own
	WT32-D1	46	30½	36⅞	30,000	22,500 (+20°F)	1	Herm.	1725	Own
PENGUIN CORP. "Penguin"	256CHS	23* 35**	20* 31**	28* 31**	24,000	30,000		Tecum.		
	356CHS	23* 35**	20* 31**	28* 31**	36,000	45,000		Tecum.		
	556CHS	32*	28*	28*	60,000	75,000		Tecum.		
	*Evaporator. **Condensing unit.									
GENERAL AIR CONDITIONING CORP. "Genatron"	RO-26				24,000	28,000*	2	Herm.	1725	Tecum.
	RO-31HP	30¾	39½	25⅞	37,700	40,100*	2	Herm.	1725	Tecum.
	RO-525A	40	74¾	26⅞	65,500	72,000*	4	Herm.	1725	Tecum.
	*At outdoor temperature of 50F. without any auxiliary heating.									
ROUND OAK CO., INC. "Clima-Pump"	CPA-3	25	64½	27	33,000	•	2	Herm.	1725	Tecum.
	CPA-5	48	72½	32	55,000	•	4	Herm.	1725	Tecum.
	*Dependent on operating conditions.									
WESTINGHOUSE ELECTRIC CORP., AIR COND. DIV. "Westinghouse"	HP-32	49½	74¾	28⅞	35,600	38,800#	2	Herm.	1750	Own
	HP-52	70½	74¾	28⅞	50,000	54,200#	2	Herm.	1750	Own
	# 35F db outside temperature. *** Indoor fan motor.									

COMPRESSOR MOTOR			BLOWER			BLOWER MOTOR		CONDENSER	EVAPORATOR COIL		REFRIGERANT		AIR FILTER			WATER USAGE (gpm/ton) 75F inlet 95F outlet
HP	RPM	Cooling Method	CFM	No.	RPM	No.	HP	Type	Face Area (sq. ft.)	No. Rows	Type	(lb.)	Type	No.	Dimension (inches)	
2	1750	Water						Shell-Coil	Dry-Ex Chiller		F12	11				1½
3	1750	Water						Shell-Coil	Dry-Ex Chiller		F12	13				1½
5	1750	Water						Shell-Coil	Dry-Ex Chiller		F12	16				1½
7½	1750	Water						Shell-Coil	Dry-Ex Chiller		F12	22				1½
(2)5	1750	Water						Shell-Coil	Dry-Ex Chiller		F12	32				1½
(2)7½	1750	Water						Shell-Coil	Dry-Ex Chiller		F12	44				1½
	1725	Refnt	2000	1	805-821	1	½	Air	5.3	4	F22	12.84	T	2	16 x 25 x 1	
	1725	Refnt.	1000	1	1500-1620	1	⅛	Air	4.3	4	F22	8	T	2	15 x 20 x 1	
2		Refnt.	800	1	800	1	¼	Air-Cooled	5	3	F22	4		1	20 x 16	
3		Refnt.	1200	1	733	1	⅓	Air-Cooled	5	4	F22	5½		1	20 x 16	
5		Refnt.	2000	1	733	1	½	Air-Cooled	7½	4	F22	9		1	25 x 25	
			1000	2	1060						F22	4	C	1	9 x 30	
			1000-1400	1	1080						F22	6.2	C	1	16 x 30	
			1800-2400	1	650						F22	12	C	2	20 x 20	
3		Refnt.	3200	1		1	⅓	Tube & Fin	3.5	4	F22		T	1	20 x 20	
5		Refnt.	5400	1		1	½	Tube & Fin	3.5	4	F22		T	2	20 x 40	
3	1750	Refnt.	1200	1	880	1	⅓	Finned Tube	3.0	3	F22	13½	T	1	20 x 25 x 1	
5	1750	Refnt.	2000	1	710	1	½	Finned Tube	4.55	3	F12	24	T	2	16 x 25 x 1 20 x 25 x 1	

Heat Pumps

TYPHOON HEAT PUMP CO., DIV. OF HUPP CORP.

"Prop-R-Temp"

MODEL NO.	CABINET DIMENSIONS (in.)			COOLING CAPACITY (Btu/hr)	HEATING CAPACITY (Btu/hr)	COMPRESSOR			
	Width	Height	Depth			No. Cyl.	Type	RPM	Make
WATER-TO-WATER HEAT PUMPS									
WW-35H	24	33	24	29,800	37,300	2	Herm.	1750	Tecum.
WW-55H	24	33	24	43,400	54,250	2	Herm.	1750	Tecum.
WW-80H	28	42	28	69,300	86,600	4	Herm.	1750	Tecum.
WW-120H	52	50	27	92,300	115,500	3	Semi-Herm.	1750	Cope.
WW-150H	52	50	27	120,000	150,000	3	Semi-Herm.	1750	Cope.
WW-225-2H	62	59	36	186,000	232,500	3	Semi-Herm.	1750	Cope.
WW-300-2H	62	59	36	235,000	294,000	3	Semi-Herm.	1750	Cope.
WW-375-3H	62	65	36	305,000	381,800	3	Semi-Herm.	1750	Cope.
WW-450-SC	84	72	45	352,000	445,000	4	Open	610	Brunner
WW-600-SC	84	72	45	479,000	602,000	4	Open	620	Brunner
WATER-TO-AIR HEAT PUMPS									
32BH	24	66	24¾	27,900	34,800	2	Herm.	1750	Tecum.
35H	24	66	26	31,000	38,700	2	Herm.	1750	Tecum.
55H	24	66	26	45,200	57,700	2	Herm.	1750	Tecum.
70H	46½	66	26	62,000	77,400	(2) 2	Herm.	1750	Tecum.
80H	28	76	30	72,200	88,600	4	Herm.	1750	Tecum.
110H	46½	66	26	90,400	115,400	(2) 2	Herm.	1750	Tecum.
120H	52	79	27	101,700	122,000	3	Semi-Herm.	1750	Cope.
150H	52	79	27	125,000	156,000	3	Semi-Herm.	1750	Cope.
160H	55	76	30	144,400	177,200	(2) 4	Herm.	1750	Tecum.
225-2H	62	95	33	191,000	230,000	3	Semi-Herm.	1750	Cope.
300-2H	62	95	33	248,000	308,000	3	Semi-Herm.	1750	Cope.
375-3H	62	95	33	310,000	375,000	3	Semi-Herm.	1750	Cope.
450-SC	84	92	45	366,000	450,000	4	Open	610	Brunner
AIR-TO-AIR HEAT PUMPS				(O) = OUTDOOR UNIT		(I) = INDOOR UNIT			
A3 (O)	42	27	30	(+ 95F.)	(+ 30F.)	2	Herm.	1750	Tecum.
(I)	21⅛	21⅛	42⅛	36,150	34,800				
A5 (O)	66	27	30	(+ 95F.)	(+ 30F.)	4	Herm.	1750	Tecum.
(I)	25⅛	25⅛	50⅛	60,800	56,300				

PERFECTION INDUSTRIES, DIV. OF HUPP CORP.

"Prop-R-Temp"

P35-H	24	66	24	31,000	38,700		Herm.		
P55-H	24	66	24	45,200	57,700		Herm.		
P70-H	28	78	28	62,000	77,400		Herm.		
P80-H	46½	66	24	72,200	88,600		Herm.		
P110-H	46⅓	66	24	90,400	115,400		Herm.		

COMPRESSOR MOTOR			BLOWER			BLOWER MOTOR		CONDENSER	EVAPORATOR COIL		REFRIGERANT		AIR FILTER			WATER USAGE (gpm/ton) 75F inlet 95F outlet
HP	RPM	Cooling Method	CFM	No.	RPM	No.	HP	Type	Face Area (sq. ft.)	No. Rows	Type	(lb.)	Type	No.	Dimension (inches)	
2	1750	Refnt.						Tubes in Tube			F22	5.5				1½
3	1750	Refnt.						Tubes in Tube			F22	7.5				1½
5	1750	Refnt.						Tubes in Tube			F22	12.0				1½
8	1750	Refnt.						Tubes in Tube			F22	14.0				1½
10	1750	Refnt.						Tubes in Tube			F22	18.0				1½
(2) 8	1750	Refnt.						Tubes in Tube			F22	28.0				1½
(2) 10	1750	Refnt.						Tubes in Tube			F22	36.0				1½
(3) 8	1750	Refnt.						Tubes in Tube			F22	42.0				1½
30	1750	Air						Tubes in Tube			F22	46.0				1½
40	1750	Air						Tubes in Tube			F22	49.0				1½
2	1750	Refnt.	800	1	1059	1	⅙	Tubes in Tube	4.42	2	F22	3	T	1	20 x 20 x 1	1½
2	1750	Refnt.	1000	1	773	1	¼	Tubes in Tube	2.75	4	F22	5.5	T	1	20 x 25 x 1	1½
3	1750	Refnt.	1400	1	795	1	⅓	Tubes in Tube	3.65	4	F22	7.5	T	1	20 x 25 x 1	1½
(2) 2	1750	Refnt.	2000	1	640	1	½	Tubes in Tube	(2) 2.75	(2) 4	F22	11	T	2	20 x 25 x 1	1½
5	1750	Refnt.	2400	1	808	1	¾	Tubes in Tube	5.75	4	F22	12	T	1	25 x 30 x 1	1½
(2) 3	1750	Refnt.	2800	1	690	1	¾	Tubes in Tube	(2) 3.65	(2) 4	F22	15	T	2	20 x 25 x 1	1½
8	1750	Refnt.	3800	2	620	1	¾	Tubes in Tube	7.37	5	F22	14.5	T	2	20 x 25 x 1	1½
10	1750	Refnt.	4000	2	640	1	¾	Tubes in Tube	7.87	6	F22	21	T	2	20 x 25 x 1	1½
(2) 5	1750	Refnt.	4800	2	703	1	1	Tubes in Tube	(2) 5.75	(2) 4	F22	24	T	2	20 x 30 x 1	1½
(2) 8	1750	Refnt.	6000	2	630	1	1½	Tubes in Tube	13	6	F22	29	T	6	20 x 20 x 1	1½
(2) 10	1750	Refnt.	8000	2	587	1	2	Tubes in Tube	13	7	F22	35	T	6	20 x 20 x 1	1½
(3) 8	1750	Refnt.	8800	2	766	1	3	Tubes in Tube	13	8	F22	37	T	6	20 x 20 x 1	1½
30	1750	Air	12,000	2	680	1	5	Tubes in Tube	21	6	F22	42	T	8	25 x 20 x 2	1½
3	1750	Refnt.	2800 1200	1 1	660 820	1 1	½ ⅓	Plate Finned	6.1 2.8	3 3	F22	8.0	C	1	18 x 18 x ⅞	
5	1750	Refnt.	4800 2000	2 1	620 700	2 1	⅓ ½	Plate Finned	8.1 4.1	4 4	F22	15.0	C	1	22 x 22 x ⅞	
			1000	1	773	1	¼	Water-Cooled	2.75	4	F22	5.5	T	1	20 x 25 x 1	5
			1400	1	795	1	⅓		3.65	4	F22	7.5	T	1	20 x 25 x 1	7
			2000	1	640	1	½		(2) 2.75	4	F22	11	T	1	25 x 30 x 1	10
			2400	1	808	1	¾		5.75	4	F22	12	T	2	20 x 25 x 1	12
			2800	1	690	1	¾		(2) 3.65	4	F22	15	T	2	20 x 25 x 1	14

Presented in COMMERCIAL REFRIGERATION & AIR CONDITIONING's 1957 Air Conditioning Specifications Section is information on:

678 models of residential air conditioners produced by 61 manufacturers;

282 models of commercial air conditioners produced by 40 manufacturers;

355 models of window and room conditioners produced by 31 manufacturers;

63 models of heat pump units produced by 13 manufacturers.

Information presented in this Section was obtained from data supplied by manufacturers of this equipment. Data on certain models is incomplete either because it was not supplied to the editors, or it was not available at the time it was requested. In certain other instances, no information whatever was supplied despite repeated requests, or what information was submitted was not applicable for inclusion in this listing.

USEFUL LITERATURE On Air Conditioning

To obtain the information described below, simply circle on the postcard in this issue the key numbers of the items you wish to receive. We will forward your requests to the companies concerned.

TYPICAL COUNTERFLOW installation is illustrated in brochure by Stewart-Warner Corp., Heating & Air Conditioning Div. Complete specifications are provided for "Modern-Builder" counterflow and vertical, gas and oil-fired models. Sections of floor plans with other typical installations are also included.

Circle No. 154 on Reader Service Card

ELECTRONIC AIR CLEANERS are examined in two recent catalogs released by Trion, Inc. Concerning its Model 6 line, Catalog No. E-81 deals with home installations and Catalog No. E-82 with installations for small commercial establishments. Series of drawings in both catalogs illustrate how products work. Dimension details also are presented.

Circle No. 155 on Reader Service Card

STATISTICAL TABLES showing hot water capacity of code-rated cabinet convectors for steam and hot water heating systems are furnished in colorful 28-page data guide by Dunham-Bush, Inc. Useful brochure lists details of cabinet design and construction features for installation in commercial, industrial, residential, and institutional buildings. Wide use is made of more than 100 sharply defined photographs and easy-to-read schematic drawings.

Circle No. 156 on Reader Service Card

COMPLETE INFORMATION is furnished in 12-page catalog on steam coils available from Recold Corp. Included are following coil types: standard steam, heavy-duty, low-capacity, and nonfreeze. Selection tips are given and tables show final temperature and Btu capacity per sq.ft. of face area at steam pressures of 2, 5, 15, and 30 psig with face velocity from 400 to 1200 fpm and entering air temperature from -20 to 70.

Circle No. 157 on Reader Service Card

CERTIFIED RATINGS are supplied in two-color Bulletin No. 3904 describing the redesigned line of power roof ventilators available from American Blower Corp. Publication discusses construction, operation, and design features of each of the four models in the new line. Installation drawings are provided, and all critical dimensions are given in convenient tabular form.

Circle No. 158 on Reader Service Card

POCKET-SIZE MANUAL on electronic "Moduflow" by Minneapolis-Honeywell Regulator Co., contains handy trouble-shooting guide. Third in a series of handbooks on automatic comfort controls being prepared by the company, it also contains schematic wiring diagrams and calibration information on line and low-voltage systems both with and without automatic night-temperature setback. Publication is designated SA 2476.

Circle No. 159 on Reader Service Card

(More Air Conditioning Literature on page 182)

Circle No. 67 on Reader Service Card

AIR CONDITIONING LITERATURE . . .

Continued from page 181

DISTINCT FEATURES of 8 and 10-ton air-cooled condensing units are studied in Bulletin No. 241 by Typhoon Air Conditioning Co., Div. of Hupp Corp. Drawings and photographs are given, as well as table of specifications and ratings.

Circle No. 160 on Reader Service Card

DIFFUSER SELECTION DATA is given in detailed Bulletin No. 390-F-57 by Multi-Vent Div. of Pyle-National Co. Full line of low-velocity ceiling air diffusers is discussed and important engineering information is included.

Circle No. 161 on Reader Service Card

EXTRUDED ALUMINUM equipment including louvers, solar canopies, and vent housings is featured in two-color catalog available from Brisk Metal Products, Div. of Brisk Waterproofing Co., Inc. Collection of detailed drawings illustrates various products. Complete specifications are furnished.

Circle No. 162 on Reader Service Card

STRUCTURAL FEATURES of cooling towers by J. F. Pritchard & Co. of California are offered in "LoLine" Bulletin No. 5.1902. Mechanical features, typical cross sections, tower dimensions, and general arrangement information are presented along with detailed specifications.

Circle No. 163 on Reader Service Card

COLORFUL ILLUSTRATIONS show various applications of Niagara Blower Co., refrigeration and air conditioning equipment are presented in Bulletin No. 134. Described is special equipment for the dairy and allied processing field including ammonia and Freon condensers, "No-Frost" refrigeration equipment, room coolers, air conditioners for processing and storage of hygroscopic material, vapor condensers for milk evaporation, food freezing, and frozen storage refrigeration.

Circle No. 164 on Reader Service Card

LATEST TECHNICAL advances of the entire line of Vic Mfg. Co., cooling and heating equipment are analyzed in "For Your Industry", two-color booklet. A short dissertation in the publication discusses the respective merits of small air-operated units and other cooling methods.

Circle No. 165 on Reader Service Card

ACCURATE PERFORMANCE tables explain how "Silent-Vent" axial roof ventilator is able to boost ventilating efficiency at lowest possible wheel-tip speeds, in Bulletin DWA-101 by Detroit Blower Co. Exhaust dissipation operating principle behind vaned ventilator head also is discussed.

Circle No. 166 on Reader Service Card

HOW ACTIVATED CARBON impregnated with inorganic desiccating agent develops high capacity for adsorption of water is explained in Barnebey-Cheney Co., bulletin on "Adsorbite D-8". Explained are the various applications for the dehydrating agent.

Circle No. 167 on Reader Service Card

(Turn to page 196 for more Useful Literature)

WHAT'S NEW

in Air Conditioning Equipment

For further information on any of these products, simply circle on the postcard provided in this issue the key numbers of the items in which you are interested. Your request will be forwarded directly to the companies concerned.

(For more New Products turn to page 200)

Air Conditioning Line

Product: Complete line of residential and commercial air conditioners, and warm air furnaces.

Manufacturer: Perfection Industries, Div. of Hupp Corp., Cleveland, Ohio.

Features: Air-cooled residential units from 2 to 10 tons. Water-cooled residential units are in 2 to 6-ton models. All units easily are adapted to use with any type of warm air furnace. New "Tuckaway" model (shown) is self-contained, air-cooled, horizontal conditioner which may be suspended from ceiling or

installed in existing attic, basement, attached garage, transom, or crawl space. Can be integrated into existing heating ducts to provide automatic warm and cool air system. In full capacities of 1½, 2, and 3 tons. Air-cooled, remote central residential units in 3 and 5-ton capacities are available with choice of three different evaporator and coil arrangements. Self-contained, water-cooled units are supplied in 2, 3, 4, and 6-ton sizes — 2, 3, and 4-ton units have blower section and basic cooling unit that can be interchanged for upflow or downflow operation. Each section can be rotated to four positions, affording 30 different air flow applications. Heavy-duty commercial air conditioner line offers air-cooled equipment up to 10-ton capacity and water-cooled units up to 40 tons. Six models comprise room conditioner line. Line of oil and gas fired warm air furnaces includes basement, high boy, horizontal, and counterflow models with outputs ranging from 55,000 to 150,000 Btu. All models are available with adaptations for summer cooling.

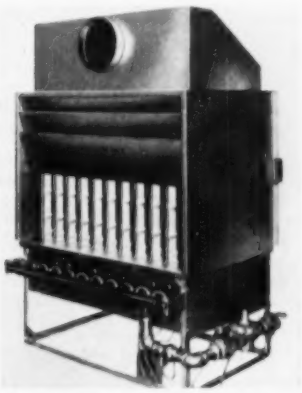
Circle No. 188 on Reader Service Card

Duct Furnace

Product: Addition of line of aluminized duct furnaces to line of forced air, space heating, and air conditioning equipment.

Manufacturer: Payne Co., Monrovia, Calif.

Features: Line primarily designed for commercial and industrial applications available in four basic sizes — 200,000, 280,000, 360,000, and 440,000 Btu inputs. Aluminized heat exchanger reported to have four times corrosion resistance of mild



steel, based on average penetration rate and 33 times corrosion resistance at maximum penetration rate under identical test conditions. A.G.A. approved for as low as 50-degree temperature rise through furnace, (no by-pass needed for ventilation in many cases). Can be used in combinations up to 1,760,000 Btuh input. Height only 51". Equipped with Honeywell controls and Baso safety pilots. Designed to be combined with manufacturer's air conditioning equipment where year-round comfort systems are desired.

Circle No. 189 on Reader Service Card

Tempering Valve

Product: No. 503 fixed setting adjustable tempering valve.

Manufacturer: Taco Heaters, Inc., Cranston, R. I.

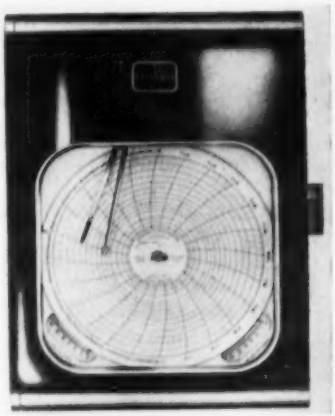
Features: Can be set to deliver any water temperature between 120 and 160 F. Thermal element is sealed hermetically, and avoids use of volatile liquid in bellows or bimetal for power. Made of bronze, brass, and stainless steel and fitted with all-bronze union for quick installation.

Circle No. 190 on Reader Service Card

Air Controller

Product: Series 500 air controller with high stability of control action without loss of sensitivity, coupled with wide proportional band.

Manufacturer: Bristol Co., Waterbury, Conn.



Features: Measures and controls pressure, vacuum, temperature, liquid level, flow, and differential pressure. Control modes available include narrow band (on-off), proportional, reset, derivative, and reset plus derivative. Full zero derivative setting on triple mode controller. Reset action stops for prolonged deviation from set point under severe load changes. Easy reversal of action, and precision linkage arrangement allowing complete disassembly and recalibration with only one adjustment.

Circle No. 191 on Reader Service Card

Heat Diffuser

Product: Line of direct-fired heat diffusers which provides inexpensive, easy-to-install, central heating plant for schools, churches,

warehouses, factories, and other large-area buildings.

Manufacturer: Carrier Corp., Syracuse, N. Y.

Features: No central boiler required. Factory wiring and pre-firing make installation easy. Only fuel and electrical connections have to be made and unit vented before operation. Eliminates costly piping from central steam or hot water source and heat loss enroute. Converts at least 80% of its consumed fuel into usable heat. Available in any of 10 sizes burning either gas or oil and delivering anywhere from 300,000 Btu in smallest unit up to 2,000,000 in largest. Wide choice of installations provided ranging from wall or ceiling suspensions to floor mounting. Ducts can be used to distribute heat into areas where direct circulation from diffuser outlets would not be adequate.

Circle No. 192 on Reader Service Card

Packaged Heat Pump

Product: Packaged heat pump ("Weathertron") designed specifically for the home.

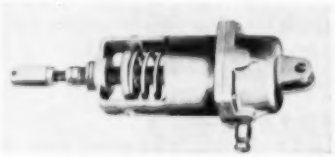
Manufacturer: Air Conditioning Div., General Electric Co., Bloomfield, N. J.

Features: Year-round unit uses only electricity and air to heat and cool home. Extracts heat from cold outdoor air to heat home in winter; and then in summer it reverses itself, pumping moisture and heat from home to outdoors, leaving fresh cool air inside home. Ideal for slab or crawl space home construction. Measures 30½ x 33½ x 46" and can be built easily into wall of home. Serves as horizontal, vertical, or down-flow air conditioning system. Placed on outside wall, can project as little as 14" into home. Servicing can be done conveniently from either inside or outside. Return air grille and filters may be located remotely from unit when installed in tucked-away waste space. Air distribution is available for ductless applications. Sufficient fan capacity for small, round-duct, air-wall-type systems. Can be located at bottom of linen closet (application shown).

Circle No. 193 on Reader Service Card

Diaphragm Motor

Product: Three gradual-acting "Powerstroke" diaphragm motors for heating, ventilating, and air conditioning control.



Manufacturer: Powers Regulator Co., Skokie, Ill.

Features: Permit infinite number of shaft positions through stroke range. In 3, 4, and 6" sizes, with respective thrusts of 80, 235, and 500 lbs., and maximum strokes of 2⅛, 3, and 4⅛". Hesitation spring feature permits use where mid-stroke pause is desired. Housings are cast aluminum. Motors can be frame-mounted or extended-shaft-mounted.

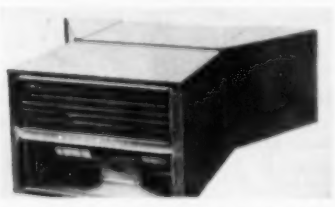
Circle No. 194 on Reader Service Card

Central Conditioner

Product: Packaged central air conditioner which can use heating ductwork for distribution of cool air.

Manufacturer: O. A. Sutton Corp., Inc., Wichita, Kan.

Features: Air-cooled system requiring no plumbing connections. Occupies space only 29½" wide,

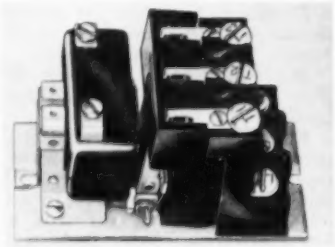


38½" long, and 20¾" high. Has own prefabricated ductwork. Requires no sheet metal work. Prescored sheets of ¾" thick "Fiberglas" board are folded into rectangular shape and sealed with special adhesive tape. Covered on outside with aluminum foil. Treated on inside with hardfinish, flame-resistant coating. Powered with twin commercial compressors in two separate systems. Thermostatic controls provide complete automatic cooling. Twin systems are sealed hermetically. No additional refrigerant lines, valves, or controls are required. Low-speed motor operation. Available in 2 and 3½-hp.

Circle No. 195 on Reader Service Card

Magnetic Relay

Product: 20-amp magnetic relay suitable for 80% of all residential central air conditioning units.



Manufacturer: Arrow-Hart & Hegeman Electric Co., Hartford, Conn.

Features: Suitable for all types of air conditioning and refrigeration fractional and integral horsepower motors. Per pole rating is ideal when adding fan or damper motors, eliminating need for additional small relays. Will require no service after installation, and will last lifetime of air conditioning unit on which it is installed, manufacturer says. Low wattage consumption. Comes in 2, 3, and 4-pole, and all standard voltages.

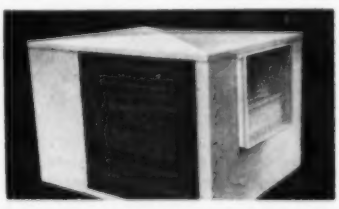
Circle No. 196 on Reader Service Card

Residential Equipment

Product: Line of residential evaporators and matching remote air-cooled condensers.

Manufacturer: Halstead & Mitchell, Pittsburgh, Pa.

Features: Horizontal unit (Model HR) is designed for insertion in ductwork on discharge side of furnace. Vertical discharge



unit (Model VR) is installed in plenum of conventional furnace. Remote centrifugal air-cooled residential condenser (shown) matches low

side loading. Consists of coil and blower assembly. Available space in cabinet for installation of compressor, receiver, and accompanying controls in order to make complete high side unit. All evaporators and condensers are available in 2, 3, and 5-ton sizes, for Freon 12 and 22. Capacity ratings are extra safe because of "Turbu-Flo" fin which increases air turbulence to provide added safety factor measure of heat transfer. Evaporators are insulated with "Fiberglas" throughout. Cabinets are made of steel with twin coat vinyl protection to prevent rust. Condensate pan also is insulated and corrosion-protected with special mastic.

Circle No. 197 on Reader Service Card

Electronic Cleaner

Product: Expanded line of electronic air cleaners, eight models in all.

Manufacturer: Trion, Inc., Pittsburgh, Pa.

Features: Wider range in capacity, 1000 to 96000 cfm. Model to fit any furnace ranging from 100,000 to 960,000 Btu, and any central air-cooling unit from 3 to 25-ton capacity. May be suspended from rafters, or set on floor. Smaller models (1000 to 2400 cfm) are available with horizontal or vertical air flow. Vertical flow models may be used with furnaces of 100,000 to 240,000 Btu, or used in conjunction with air coolers of 3 and 5-ton capacity. Remotely-located power pack permits installation of power pack where it will be accessible. Installed in return air duct of air-cooling or warm air heating system.

Circle No. 198 on Reader Service Card

Water Treatment

Product: "Phyta-77", liquid compound water treatment for corrective and preventative maintenance of water-cooling systems.

Manufacturer: Sealed Unit Parts Co., Inc., New York, N. Y.

Features: Deletes oxygen content from eliminating most causes of corrosion, manufacturer says. Particularly toxic to algae and other biological fouling organisms, but harmless to human skin, manufacturer says. Treats all water conditions — hard water or soft water alike. Eliminates damage to metal, wood, brick, and aluminum from scale, rust, or corrosion. Eliminates danger of handling three or more bulky and dangerous chemicals to treat water. Eliminates addition of different chemicals to cure effects of other chemical. No need to drain off corrective application, since corrective application and preventative application are the same. No bleed-off necessary. No protective clothing needed by user. Available in quart and 1-gal. cans, 5-gal. pails, and 55-gal. drums.

Circle No. 199 on Reader Service Card

Repairing Compound

Product: Plastic aluminum compound for repairs of air conditioning equipment.

Manufacturer: Magic Iron Cement Co., Cleveland, Ohio.

Features: Applied without heat

or tools to any damaged metal surface. Resinous contents and effective adhesive qualities enable product to retain same characteristics of surface to which it has been applied. When dry can be drilled, filed, tapped, or threaded. Repaired area will be water-tight and withstand temperatures up to 600 F. Comes in self-applicator, 4-oz. tubes, ½-pint and quart cans, and in bulk amounts.

Circle No. 200 on Reader Service Card

BUY FROM YOUR REFRIGERATION WHOLESALER

Window Conditioner

Product: Line of seven window-type room air conditioners with cooling capacities from ½ to 1½-hp, are included in super and deluxe series.

Manufacturer: Frigidaire Div., General Motors Corp., Dayton, Ohio.

Features: Two-tone beige color. Comfort control thermostat and "magic guide" air flow. Two-knob arrangement for simplified operation. One setting of conditioner selector for cooling or ventilation. Built-in comfort selector automatically regulates operation of unit to maintain desired temperature. Adjustable vertical grilles and horizontal shutters of brushed aluminum controlled by single knob direct "draftless" conditioned air to any part of room, even when unit is set

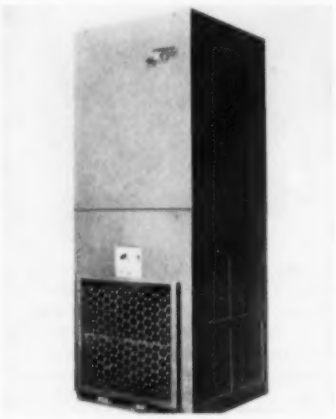
in corner window. Angle-flow air silencer with full insulation and deep-set centrifugal fan. Triple-tube cooling coil pulls temperature down quicker even on hottest days, manufacturer says. Full-width disposable filters are removed easily. Compressor has internal suspension, refrigeration cooling, and full-pressure lubrication.

Circle No. 201 on Reader Service Card

Heat Pump

Product: Economy model "Prop-R-Temp" heat pump for residential and commercial use.

Manufacturer: Typhoon Heat Pump Co., Div. of Hupp Corp., Tampa, Fla.



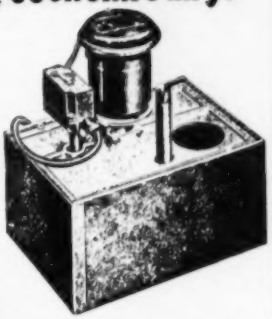
Features: Includes water-to-air, air-to-air, and water-to-water units in sizes up to 40 tons. Differs from converted air conditioner in appearance and design. Standard equipment includes corrosion-proof admiralty metal condensers and all copper cooling and heating coils. A 1,000 sq.ft. house in the north or south can be heated and cooled for as low as $10 a month average year-round with water-to-air equipment, manufacturer says. Water-to-air models are available in sizes 2½ to 12 tons full hermetic, and 10 to 30 tons semihermetic. On full hermetic model complete refrigeration chassis can be exchanged on job in 30 minutes. Air-to-air models are avail-

Circle No. 85 on Reader Service Card

DRIPPING eliminated... quickly, quietly, economically!

Sutton AUTOMATIC CONDENSATE DISPOSAL UNIT

Pumps Up to a 30 ft. Head!



Specially designed for the disposal of water and other condensate liquids which collect in air conditioning equipment and similar apparatus. Completely self-contained. Unit is connected to apparatus so that liquid flows into inlet of receiving tank. At a predetermined height, pump starts automatically and delivers condensate to disposal point. Large capacity, high pumping head ideal for many other applications including draining of defrosting water from meat and dairy cases and similar equipment remote from sewer connection. Non-Automatic Condensate Disposal Unit, Automatic and Non-Automatic Pump Units only (less tank and check) also available.

SPECIFICATIONS

TANK Approx. 2½ gals. capacity with 3" inlet, ½" outlet. Steel with corrosive-resistant baked enamel finish.
PUMP All-bronze centrifugal. Delivery approx. 6 GPM at 12-ft. head to 1 GPM at 30-ft. head. Shut off at 32 ft.
MOTOR 1/15 HP, single phase, 60-cycle, 115-volt A.C. (110-volt D.C. on Special order)
CONTROL Automatic float switch set to pump approx. ¾ gal. of condensate at each operation. Check valve in outlet prevents liquid from draining back into tank.
OVERALL DIMENSIONS 8" wide, 7" deep, 12" long. Height to top of pump, 12". Weight approx. 20 lbs.

WRITE FOR LITERATURE AND PRICES

Sutton Manufacturing Corp.
112 W. WILSON AVENUE NORFOLK, VIRGINIA

THE ANSWER TO ALL YOUR CLEANING AND DESCALING PROBLEMS

A BIG TIME AND MONEY SAVER!
FOR CLEANING ALL TYPES OF CONDENSERS

COIL SURFACES — COIL TUBES
COOLING TOWERS — BLOWER WHEELS
WATER HEATERS — AIR HANDLING UNITS

FEATURES INCLUDE
ACID-RESISTANT TANKS • ACID-RESISTANT PUMPS • UNITS REVERSABLE FOR PRESSURE OR SUCTION • SNAP-ON FITTINGS • RUBBER TIRED WHEELS • STAIR-SKIDS

HASTINGS CLEAN-IT

Eliminates the hazards and mess of old-fashioned cleaning methods
UNCONDITIONALLY GUARANTEED

Write for Prices and Bulletin CR-37-C

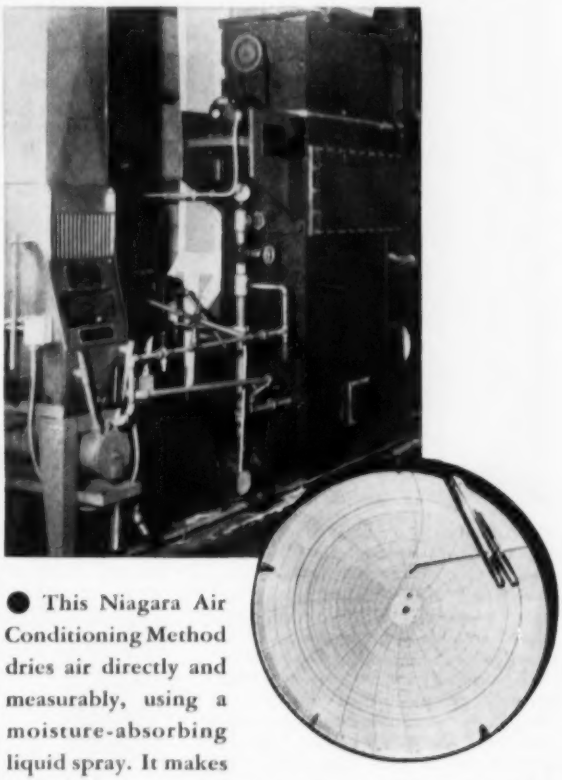
HASTINGS AIR CONTROL, INC. 3215 Leavenworth, Omaha 5, Nebraska

Circle No. 84 on Reader Service Card

EXACT CONTROL

of Moisture Content

To Improve Your Product or Protect Your Materials or for Processes or Tests



● This Niagara Air Conditioning Method dries air directly and measurably, using a moisture-absorbing liquid spray. It makes humidity control a separate function from lowering or raising temperatures and gives you precise control with thermostats alone; no moisture-sensitive devices are needed. You have simpler, more trustworthy, less expensive control instrumentation. Niagara precise-control installations have the best record for reliability.

Niagara Air Conditioning provides you with any temperature and relative humidity you need. Using "Hygrol" absorbent, it is not expensive to operate, saving the refrigeration commonly used to condense moisture and making re-heat unnecessary in most cases. It gives large capacity with compact, easily-maintained equipment. Ask for Descriptive Bulletins #112 and #121. Address Dept.C.R.-3

NIAGARA BLOWER COMPANY
405 Lexington Ave. New York 17, N. Y.
District Engineers in Principal Cities of U. S. and Canada

Circle No. 86 on Reader Service Card

able in 3 and 5-hp models. Custom-built air source heat pumps up to 20 hp are available, designed and manufactured to customer specification. Water-to-water models, producing warm and chilled water, are available in sizes 2½ to 40 tons.

Circle No. 202 on Reader Service Card

Mobile Dehumidifier

Product: Compact, mobile dehumidifier (Imperial model).

Manufacturer: Whirlpool-Seeger Corp., St. Joseph, Mich.

Features: Mounted on large swivel casters, easily moved from room to room. Water container (9½-quart capacity) held in position in-

side cabinet. Finished in two-tone green, baked-on enamel. Gold-colored perforated metal grill. Occupies less than 2 sq.ft. of floor space. Provides positive humidity control for closed areas as large as 40 x 30 x 10', manufacturer says. Removes up to 3¼ gallons of moisture from air in 24-hour period. Water container readily is accessible through back of cabinet for easy removal. May be placed directly over floor drain for automatic drainage. Standard garden hose permits water to be directed to drain. Compressor is spring-mounted for noiseless and vibration-free operation. Moving parts are lubricated permanently. Plugs into any 115-volt outlet adequately wired. Measures 12" wide, 17-11/16" high, and 20½" long.

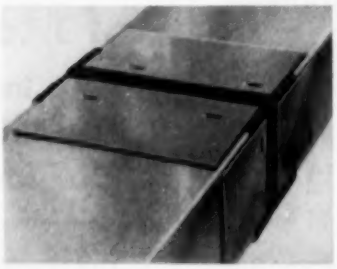
Circle No. 203 on Reader Service Card

Fastening Process

Product: One-step process that fastens two pieces of metal together without use of bolts, rivets, solder, staple, wire or any other material.

Manufacturer: Metalace & Stitch, Inc., New York, N. Y.

Features: Ducts can be preassembled quickly in shop thus saving time at point of installation. By using proper punch and die set two elements are "laced" together quickly and economically providing union of greater strength than parent metal. Fastens dissimilar metals such as brass to aluminum, and copper to stainless steel. Eliminates neces-



sity of surface refinishing because cladding flows with stitch. Sheets of dissimilar thickness—10 to 30 gauge—also may be fastened with this process.

Circle No. 204 on Reader Service Card

Waterless Conditioner

Product: Self-contained, two-stage, waterless air conditioner ("Polar-Pak"), for installation in attic, crawlspace, basement, or on roof.

Manufacturer: Coleman Co., Inc., Wichita, Kans.

Features: Designed to deliver required amount of air for cooling when tied into existing forced air heat distribution systems. When installed independent of heating system, air distribution is accomplished

through any one of three types of duct systems — conventional sheet metal with insulation, prefabricated glass fiber, or manufacturer's pre-engineered 3½" ducts with air-blending diffusers. No refrigeration piping or plumbing connections are necessary. Both 2 and 3½-hp models have twin compressors for two-stage cooling. Four-position selector switch enables system to operate on one compressor with second cycling on thermostat. Both compressors can be operated on hot days or when cooling load is exceptionally heavy. Switching arrangement keeps lower refrigeration system in operation during thermostat cycling preventing re-evaporation of condensate into house. 2-hp model is 46" long, 30" wide, 21" high, and has capacity of 23,800 Btuh. 3½-hp model is 50½ x 34½ x 21" and has capacity of 36,300 Btuh.

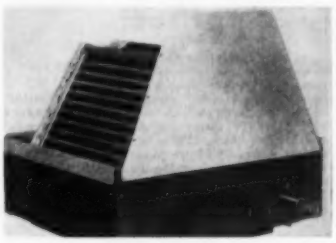
Circle No. 205 on Reader Service Card

Evaporator Assembly

Product: Evaporator assembly (LS2) for installation with remote air-cooled air conditioning equipment.

Manufacturer: Lennox Industries, Inc., Marshalltown, Iowa.

Features: Provides abundance of evaporator surface, which it projects up into plenum for better cooling. Easy access to coils is attained by removing triangular-shaped front panel. Requires less head room than previous models. Cabinet can be installed along with furnace and evaporator coils themselves added at



later date. Each coil assembly has expansion valve and "eliminators" where necessary. Condensate pan with connection for 1" pipe.

Circle No. 206 on Reader Service Card

Conditioning Control

Product: Group of pressure-operated air conditioning controls (G Models).

Manufacturer: Ranco, Inc., Columbus, Ohio.

Features: Compact size makes units particularly suitable for use in control panels on commercial installations. Variety of models permits adaptation to number of applications. Series includes both high and low-pressure models with automatic or manual reset; low-pressure cycling controls with differential adjustment; and dual-pressure controls. Switch assemblies accommodate applications from pilot duty of 345 volt-amps at 230 volts to heavy duty requirements of 15.5 amps, full load, and 84 amps, locked rotor at 115 volts, a.c. Ranges vary from 7 to 425 psi (nonadjustable). Single-pressure models offer adjustable differentials. All controls are operated by pressure-expansion bellows, opening contacts on rise or decrease of pressure.

Circle No. 207 on Reader Service Card

Close-Coupled Pump

Product: Line (Type "GSC") of standard, close-coupled, centrifugal pumps.

Manufacturer: Dean Brothers Pumps, Inc., Indianapolis, Ind.

Features: Includes seven pumps with capacity up to 600 gpm and

total dynamic head up to 275'. Temperature range of liquids that can be pumped is from –40 F to +250 F. Available in three standard clas-

sifications: Bronze fitted, all iron, and all bronze. Removable back head permits removal of impeller without disturbing piping. Large cradle opening for free access to stuffing box. Stuffing box adaptable, interchangeably, to packing and mechanical seal.

Circle No. 208 on Reader Service Card

Mobile Conditioner

Product: Full-capacity, 1-hp, mobile home air conditioner "Roomette" designed to operate on 115-volt electrical current.

Manufacturer: Carrier Corp., Syracuse, N. Y.

Features: Occupies only 2 sq.ft. of floor space and only is 28" high. Easy installation and simple opera-

tion. Units are mounted over small hole cut in floor with no unsightly wall bracings or window supports needed. Maximum cooling and economical operation are provided since condenser air is drawn into unit from cool, shaded area underneath mobile home instead of from hot side or roof areas. No ducts are required. Automatic operation is provided by thermostat. Fashionable unit can be used as nightstand or end table.

Circle No. 209 on Reader Service Card

Revised Standard for Cooling Load Calculations Reflects Rapid Advances In Residential Field

by Arthur H. Farr

FOR many years prior to 1953 the contractor or engineer figuring the cooling load on a residence probably used a long form calculation, or perhaps one of the short form commercial estimate sheets that began to appear after World War II.

In 1953, after much preliminary investigation, ARI (Air Conditioning & Refrigeration Institute) introduced its tentative Application Standard for Year-Round Residential Air Conditioning. This presented for the first time a clear concise residential estimating form which was a composite of the best thinking in the industry.

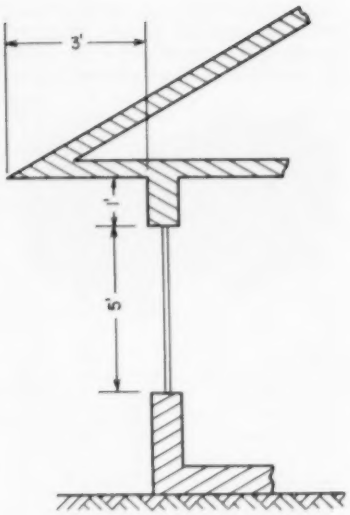


FIG. 1 - Window 5' wide x 5' high facing south at 40° latitude.

In the short span of time between 1953 and 1956, tremendous progress was made in the residential air conditioning field, and much was learned about properly sizing and installing equipment. During this period, valuable technical information was made available to the industry from the studies and tests at the Research Village in Austin, Tex.

In 1956, as a result of the lessons learned and the advancements made in residential air conditioning, ARI issued Standard 610 which replaced the 1953 tentative standard. It is interesting to compare procedures and load factors presented in the two standards.

For example: consider a 5 ft. wide single-glazed window facing south with no shading and located at 40° Latitude (See Fig. 1). The comparative solar load calculations for such a window under the old and new methods are presented in the accompanying Table 1.

TABLE 1
EXAMPLE FOR CALCULATING SHADED AND UNSHADED AREAS OF WINDOWS UNDER OVERHANGING ROOFS

Direction	Overhang Shadow Factor — Latitude			
Glass Faces	30°	35°	40°	45°
E or W	0.60	0.60	0.59	0.57
SE or SW	1.55	1.43	1.24	1.15
S	2.90	2.24	1.80	1.52
NE or NW	(Shadow Insignificant)			

A. Calculated Solar Load (1953 Method):

25 sq. ft. (Window Area) × 110 (Factor) = 2750 Btu/hr.

B. Calculated Solar Load (1956 Method): First — because the roof overhangs the wall — we must calculate how much of the glass is shaded by the overhang, and thus protected from solar radiation. From Table 1, we find that the overhang shadow factor is 1.80 for 40° Latitude and glass facing South. Next, multiply this factor by the roof overhang (3' overhang from Fig. 1) 3' × 1.80 = 5.40. This represents the distance down from the bottom edge of the overhang that the shadow falls. Then: 5.40 ft. —1 ft. = 4.40 ft. of window (from the top down) is shaded.

Since the window is 5 ft. high, and the top 4.40 ft. is shaded, this means that only 6 ft. × 5 ft. (wide) or 3 sq. ft. of glass is subject to solar radiation.

The factor for South glass was reduced from 110 in the 1953 Standard to 75 in the new 1956 Standard. Thus:

3 sq. ft. (area) × 75 (factor) = 225 Btu/hr.

Therefore, by taking into account the shadow cast by the roof overhanging, and with a lower solar factor as a result of tests and experience, the solar load by 1956 method is 92% less in the example set out above as compared to the load calculated by the 1953 tentative method. Experience in residental cooling has taught the industry that optimum comfort in the home is obtained by almost continuous operation of the condensing unit. Long operating cycles tend to keep the relative humidity at a constant level, and thus produces satisfactory indoor comfort. The revisions that appear in the new standard represent a realistic approach to bringing the calculated load and the capacity rating of the cooling unit into better balance and hence to produce better conditions of indoor comfort.

Copies of the 1956 ARI Standard are available at a cost of 50 cents each from Air Conditioning and Refrigeration Institute, 1346 Connecticut Ave., N.W., Washington 6, D.C.

SIMPSON ELEC. BUILDS NEW WISCONSIN PLANT

Newest addition to Simpson Electric Co. group plants now is nearing completion in Mercer, Wis., according to M. O. Buehring, sales manager. The firm's main office is in Chicago.

The Mercer plant will be completely self-contained as are the other Simpson plants in Aurora, Ill., and in Lac du Flambeau, Wis.

Harold Redding has been appointed manager at Mercer.

For the first time... An accurate field method for adding critical charges of refrigerants

"Virginia's" new Can-O-Gas Multi-Opener provides, for the first time, an accurate method of adding critical charges of refrigerants in the field. With the Multi-Opener No. 2, by means of the proper combination of precision filled weights of "Freon-12," 15 different fractional charges—from 16 oz. to 30 oz. in ½ oz. increments—can be delivered with an accuracy of plus-or-minus 4 grams.

By use of the 3-can Multi-Opener No. 3, 31 different fractional charges are possible, from 24 oz. to 45 oz., also in ½ oz. increments. These novel, new Multi-Opener units are easy to operate, and are virtually indestructible. And the throw-away feature of Can-O-Gas containers completes the picture of the convenience of Can-O-Gas Multi-Opener charging. Can-O-Gas Multi-Openers deliver the refrigerant in the gas phase or—when inverted—in the liquid phase.

Order a supply of Can-O-Gas Multi-Openers No. 2 and No. 3 today for accurate field charging.

Circle No. 88 on Reader Service Card

Refrigeration Division
VIRGINIA SMELTING COMPANY
237 Jefferson St.
West Norfolk, Virginia

VIRGINIA® Chemicals

ESOTOO • KINETIC CHEMICAL'S "FREON" REFRIGERANTS • V METH-L
CAN-O-GAS • PERMAGUM • WATER TREATMENT CHEMICALS
PRESSTITE TAPE • KWIKWRAP • SUNISO REFRIGERATION OILS
Available in Canada and many other countries

RANCO 018-100 CONTROL

—easy way to accurate ice bank regulation

Special power element bulb . . . single-temperature liquid fill maintain established ice thickness

Accurate ice bank control on milk coolers and other refrigerating equipment is a simple matter when you use Ranco's practical 018-100 control.

The Ranco 018 features a specially-constructed power element with a single temperature, phase change type liquid fill that responds rapidly to the freezing and thawing action of water at 32° F.

Contacts open when ice extends ⅛" beyond the bulb. As temperature rises and bulb becomes partially free of ice, contacts close automatically.

The special power element employed on the Ranco 018-100 eliminates the necessity of altitude or barometric corrections. To install, bulb is simply positioned at the edge of the ice bank area, 3 to 4 inches below water surface.

Ask your Ranco Wholesaler today for more details on the Ranco 018-100 . . . the most efficient ice bank control in the industry.

Ranco® Inc.

COLUMBUS 1, OHIO

WORLD'S LARGEST MANUFACTURER OF REFRIGERATION CONTROLS

Circle No. 89 on Reader Service Card

Here's How

PROFITABLE SERVICE AND INSTALLATION PRACTICES

I DO IT THIS WAY

TO facilitate the lubrication of inaccessible blowers, motors, fans, and similar equipment, when the conventional type of flexible spout oil can will not permit ready servicing due to the bulk of the can body, I have fitted an extension on my present oil can spout.

To do this, strip 1½' of plastic insulation from No. 8 single strand wire. This is easily accomplished by heating it with water. Then apply heat to one end of this length of insulation and force it over the end of the original oil can spout. After cooling, it will make a leakproof bond.

Needless to say, if you have an oil can with a large spout, simply use the plastic insulation from a larger size wire for forming the extension.

John E. Gilmore
Nashville, Tenn.

Display Case Glass Needs Checking, Too

The baffle glass in open type merchandising cabinets can be a potential source of trouble if it is not checked periodically. Some of these baffles are feather edged on the sides and top, while others are protected with a stainless steel capping.

Being glass, these baffle are sometimes damaged during periodic removal and replacement for cleaning, with the edge being broken or cracked. This makes them a possible source of injury to anyone coming in contact with them, whether store personnel stocking the case or customers removing packages for purchase.

On some types of open display cabinets, only one long edge of this baffle glass has been feathered. It is most important that the unfinished edge be placed down whenever this glass is being replaced after having been removed for cleaning or service.

A quick check of the baffle glasses in any cases being repaired is one of those free-of-charge "extras" which any serviceman can offer his customers to make his work really outstanding — and worthy of a repeat call.

WANT TO EARN $5?
It's easy as shooting fish in a barrel and requires no other ammunition than a good idea. Just write out, in your own words, how you've solved some troublesome service installation problem or describe a workable short-cut you've devised. Include a rough drawing if that will help explain it, and shoot your idea to Here's How Editor, Commercial Refrigeration and Air Conditioning. If he thinks your suggestion is a good one, he'll fire back a check for $5 when your idea is published in this magazine. The season's open, so load up your mental shootin' iron and get started today!

Handy Chart Eliminates Insulation Calculations

As an aid to estimating the amount of material necessary to insulate cylindrical vessels, Armstrong Cork Co. has developed a chart for converting gallon quantities into square feet of surface area.

The chart was developed to eliminate complex mathematical calculations when vessels, such as hot water tanks and expansion tanks, are designated only by gallon size, or by length and diameter.

A quick glance at the chart tells users that a 525-gallon tank will require 115 sq.ft. of material to insulate the shell and both heads, or that a tank 30" in diameter and 6' long will need 61 sq. ft. of insulation. This chart, as released by Armstrong, is reproduced below:

Cylindrical Conversion Chart for estimating square feet of insulation from gallon capacity of cylindrical vessels.

Gallons	Diam. Inches	Length Feet	Insul. Surface Sq. Ft.
30	18	2	14
66	20	4	28
85	20	5	33
100	24	4	35
120	24	5	41
140	24	6	48
150	30	4	44
180	30	5	52
220	30	6	61
250	30	7	70
295	30	8	78
315	36	6	75
365	36	7	85
420	36	8	95
525	36	10	115
430	42	6	90
500	42	7	101
575	42	8	113
720	42	10	136
865	42	12	159
1000	42	14	182
750	48	8	131
940	48	10	158
1130	48	12	184
1300	48	14	210
1500	48	16	236
1700	48	18	262

Note: Above units include shell and two heads.

I DO IT THIS WAY

TO insert a stud in a hard-to-reach spot, such as on a hermetic fan, I place a lock nut on the end of a piece of tape 12" long, push the stud through the nut and tape, lay the tape along the side of a socket wrench, and then pull the tape up tight so that the stud is firmly held in the socket opening. After the stud is screwed down, pull out the tape.

H. A. Maberry
Bradford, Mass.

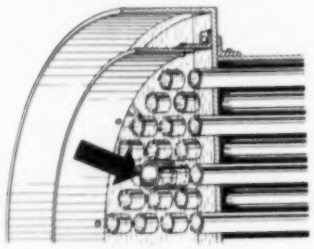
Pipe Section Eases Cleaning Of Heat Exchanger Tubes

The old-time open-shell-type water-cooled heat exchanger still in use in many installations can be kept effective through periodic cleaning. The lower head pressure obtained by cleaning the tubes also

lowers overhead costs. The relative age of this equipment should not lead to its neglect.

The following tip on cleaning the tubes of such units allows maximum tube-cleaning speed and efficiency without taking the heat exchanger off the line. The suggestion is passed along by Thomas C. Wilson, Inc., manufacturer of tube cleaners, expanders, and accessories.

First, cut a piece of pipe so it is several inches longer than the tube



projecting above the tube sheet. The pipe should be large enough to let a hand enter. Then place the pipe over the tube to be cleaned, as shown in the sketch. The tube forms a cofferdam that keeps most of the water from flowing down the tube.

The absence of water in the tube reduces the back pressure on the tube-cleaner motor and permits greater power to be delivered to the cutter head, brush, or other accessory. The result will be higher operating speeds.

In addition, the absence of a large volume of water will eliminate the cushioning effect on cutters and the large frictional drag encountered in underwater tube-cleaning operations. The operator will also be happier, because water will no longer be splashed in his face as he cleans the tubes.

OIL-HEAT GROUP MEETS

The third annual Oil-Heat Institute of America Commercial-Industrial Oil Burning and Equipment conference will be at New York (N.Y.) University April 15-17. Morning and afternoon meetings are scheduled in Gould student center.

IT'S THE LAW . . .

Continued from page 42

In its award of the possession of the equipment to the tenant the Texas court said,

"Our courts have joined those of many other jurisdictions in holding that as between a landlord and his tenant, such appliances as those here involved may be annexed by the tenant to realty or rented buildings to enable him to carry on his trade, profession or enterprise and in the absence of a stipulation to the contrary, they may be removed by the tenant at the end of the tenancy."

Moskowitz v. Calloway, 178 S.W.2d 878, Texas.

CONSTITUTIONAL LIEN IN BANKRUPTCY

LIEN and proof of claim was filed with the trustee in bankruptcy of a Texas milling company for refrigerating machinery purchased by the bankrupt six months before. Among other defences the trustee set up that the mechanics' and materialmen's lien statutes of that state made no provision for a lien on machinery sold without a reservation of title as had been done in this instance.

In the Constitution of that state is the provision, "Mechanics, artisans and materialmen of every class shall have a lien upon the buildings and articles made or repaired by them, for the value of their labor done thereon or material furnished thereof; and the Legislature shall provide by law for the speedy and efficient enforcement of said liens."

This constitutional provision is implemented by statutory provisions prescribing the time and method for properly establishing such liens. Of the right of a seller to a lien under these laws the Federal court said,

"The Constitution gives the lien to 'materialmen of every class.' The lien is given 'upon the buildings and articles made or repaired.' The language is broad and the purpose is clear. There is nothing to indicate that merely raw material is intended to be included within its terms. Certainly some classes of manufactured products would always be so included.

"For instance, no one would think of undertaking to maintain that nails, screws, locks, doors, and windows were not within the terms of the Constitution. No reason is made sufficiently to appear why such machinery as was furnished in the instant case, capable of incorporation into and made a part of the plant and furnished for that purpose, should not be held to be included."

Reeves v. York Engineering & Supply Co., 249 Fed. 513.

USEFUL BULLETINS • BOOKLETS • CATALOGS

GRAPHIC ILLUSTRATION of new product, ammonia unit with hot gas defrost pan for use in hot gas defrost systems, is described in Catalog No. 13C6a produced by Recold Corp. Dimensions and specifications for ammonia direct expansion with defrost pan and ammonia flooded with defrost pan are contained in the literature.

Circle No. 171 on Reader Service Card

HELPFUL SELECTION DATA is offered in Drayer-Hanson publication, FM-J.561L, "Water Coil Selection Method". Computation of coil size and tube facing can be determined by an easy 6-step method, leaflet explains. Rows of coils required are determined by a 4-step method. Charts on sensible heat ratio and gpm/tube are furnished — also a graph for determining water friction.

Circle No. 172 on Reader Service Card

COMPLETE CATALOG explaining new compact machine for stamping individual letters and numbers on all types of identification plates and tags is available from Clearview Co. Extensive list of hundreds of suggested applications for this machine is presented.

Circle No. 173 on Reader Service Card

PRODUCT TABULATIONS of air conditioning and refrigeration components produced by Remco, Inc., are offered in Bulletin No. R-11. Catalog examines drier-filters, liquid indicators, check valves, and accumulators. Capacity data for selection and physical dimensions also are included.

Circle No. 174 on Reader Service Card

LABOR-SAVING ADVANTAGES of its new milk shake freezer are given in an illustrated break-down in a brochure available from Port Morris Machine & Tool Works, Inc. Model specifications are included in two-color publication.

Circle No. 175 on Reader Service Card

UP-TO-THE-MINUTE guide (Data Sheet No. 493), which includes specifications and capacities for open-type refrigeration and air conditioning condensing units from ¼ through 100 hp, is offered by Brunner Mfg. Co. Also included are specifications for compressor units for use with evaporative condensers, ⅓-100 hp.

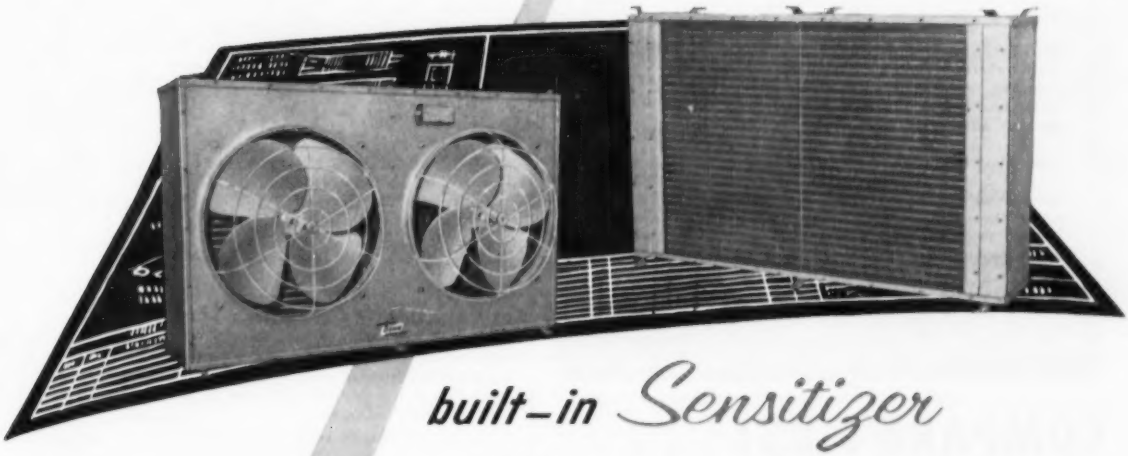
Circle No. 176 on Reader Service Card

UNIT COMPRESSOR GUIDE of Sealed Unit Parts Co., Inc., contains 50 illustrations of the latest models of nationally advertised manufacturers. Line drawings are used specifically to show all pertinent details of each dome for replacement purposes. Guide is easy-to-read glossy chart.

Circle No. 177 on Reader Service Card

(More Useful Literature on page 198)

BOHN Presents the NEW ANGLE in Air-Cooled Condensers



built-in Sensitizer maintains proper head pressures

Reduces Cost and Simplifies Installation

BOHN engineers have developed a winter controlled air-cooled condenser equipped with built-in sensitizer to maintain head pressures when outside air temperature drops . . . eliminate hand valves in the control system . . . simplify piping.

Cost of extra valve and installation expense is avoided. Further cost reduction is achieved by designing for simple multiple circuiting.

Of finest quality, new BOHN air-cooled condensers are economically priced. They offer sturdy, rust-resistant construction in grained aluminum cabinet housing . . . trustworthy capacity ratings . . . famous Betz coils . . . fans which operate quietly . . . life lubricated ball bearing motors with thermal overload protection.

Read full details on the *NEW ANGLE* in air-cooled condensers. Reserve your free copy of the new BOHN CATALOG BU-1.

BETZ DIVISION BOHN DANVILLE, ILLINOIS

Manufacturers of Commercial Refrigeration, Industrial Air Conditioning and Special Heat Transfer Surface

BOHN ALUMINUM & BRASS CORPORATION • BETZ DIVISION • DANVILLE, ILLINOIS

Circle No. 140 on Reader Service Card

USEFUL LITERATURE . . .

Continued from page 196

SELECTION AND APPLICATION data depicting float controls for air conditioning and refrigeration systems is contained in Catalog 56 from H. A. Phillips & Co. Publication features valve capacity table for ammonia, and Freon 12 and 22. Table lists both direct and remote feed float and pilot-operated valve capacities. Detailed diagrams show several valve applications.

Circle No. 178 on Reader Service Card

THREE DESCRIPTIVE SHEETS containing model specifications of Howard Refrigerator Co., Inc., products have been made available. The first outlines features of the ice maker and dry beverage cooler combination. The second describes walk-in units. The third sheet covers the freezer-refrigerator combination. Each publication is illustrated.

Circle No. 179 on Reader Service Card

LIST OF ACCESSORIES is provided in Form No. CB-21 on new line of club bars by Nor-Lake, Inc. Dimensions, capacities, and specifications of the two-unit line are shown, along with photographs of each.

Circle No. 180 on Reader Service Card

EXPLANATION OF PRINCIPLE of "TherMcCold" hot and cold food banks in cafeteria-type food service is a feature of descriptive booklet available from McCall Refrigerator Corp. Illustrations also depict an installation at a college where the main kitchen is equipped with over 85 lineal feet of "Pass-Thru" hot and cold food banks.

Circle No. 181 on Reader Service Card

NEW SELLING FEATURES of full-vision, counter-height display cases are listed in illustrated catalog sheet produced by Evans Mfg. Corp. Complete specifications also are offered.

Circle No. 182 on Reader Service Card

SPECIAL CHARACTERISTICS and advantages of "Water Base Adhesives and Protective Coatings for Industrial Insulations" are described in 4-page folder available from Industrial Products Div. of Flintkote Co. Group of products discussed includes asphalt, tar, resin, and rubber base emulsions and dispersons having wide bonding and protective coating uses in air conditioning and refrigeration.

Circle No. 183 on Reader Service Card

SUGGESTED WIRING DIAGRAMS of defrosting time controls are given in two-color brochure produced by Paragon Electric Co. Safety and functional features of model 5100 series time controls are elaborated and general specifications are provided.

Circle No. 184 on Reader Service Card

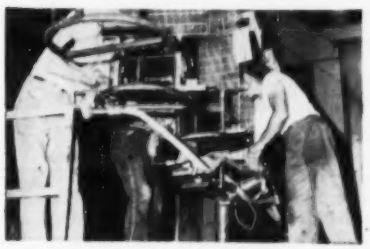
DIMENSIONAL DRAWINGS for meter mounting are included in 6-page panel meter Bulletin No. 2057 available from Simpson Electric Co. Descriptions and specifications are offered along with latest prices of over 800 models. Illustrations depict meter styles and various types of meter movements available.

Circle No. 185 on Reader Service Card

(See page 181 for Air Conditioning Literature)

JOIN WITH HANDY & HARMAN SILVER BRAZING FOR PERMANENT PROFIT

After brazing, the assembly undergoes the first of four leak tests in a water-filled tank. It is then given a carefully controlled dehydration and vacuum test.



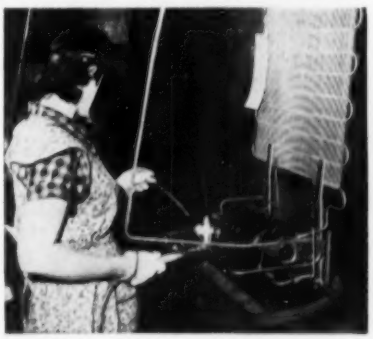
To further insure that the vacuum is maintained, the assemblies enter a helium atmosphere; the smallest leak would draw helium into the system.

Next they are tested by the spectrometer which is calibrated to detect a concentration of helium equivalent to a leak rate of one ounce of refrigerant in 200 years.

How to Join Refrigerator Tubing So It Won't Leak

Hotpoint Company's new refrigerator assembly plant in Chicago boasts one of the most advanced mass-production assembly line operations in the industry. It boasts, also, one of the most stringent quality controls in the industry—with 83 quality checks and tests during manufacturing. Four of these tests are positive checks for hermetic sealing, the most exacting being the mass spectrometer test which can detect a potential leak of one ounce of refrigerant in 200 years.

To a great degree, hermetic sealing depends on the quality of the joints in the tubing connecting the major components of the system . . . Hotpoint's are silver brazed with Handy & Harman's EASY-FLO 45 and HANDY FLUX. Some of these joints are copper-to-copper, others copper-to-steel and the rest steel-to-steel; all are EASY-FLO brazed and have a tensile strength of 30,000 psi.



These gruelling production checks are met, basically, with a 3/64" silver alloy wire, double-tipped hand torches fueled by a mixture of natural gas and oxygen, and HANDY FLUX. These are the ingredients of EASY-FLO brazing used by Hotpoint in assembling their refrigeration units. Simple, isn't it? And all the more remarkable in view of the tests the brazed joints must pass.

A joining method this simple, this fast, this economical and this strong warrants your consideration for your product. Ask us for all the facts.

SEND FOR BULLETIN 20

BULLETIN 20 tells you why high strength, speed and economy are inherent in EASY-FLO brazing. Also gives Handy information about joint design and fast brazing methods. We'll be pleased to send you a copy.

Your NO. 1 Source of Supply and Authority on Silver Brazing Alloys

HANDY & HARMAN

General Offices: 82 Fulton St., New York 38, N. Y.

DISTRIBUTORS IN PRINCIPAL CITIES

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MONTREAL, CANADA

Circle No. 98 on Reader Service Card

NEW PRODUCTS

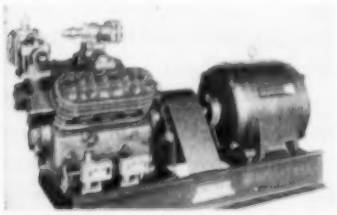
For further information on any of these products, simply circle on the postcard provided in this issue the key numbers of the items in which you are interested. Your request will be forwarded directly to the companies concerned.

(For Air Conditioning Products turn to page 183)

Compressor

Product: Cylinder compressor (Model 8).

Manufacturer: Schnacke, Inc., Evansville, Ind.

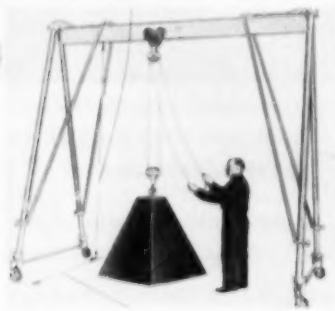


Features: New type blocks and heads with fin construction and hot discharge gas removed through head which reduces hazards caused by environmental heat. Only one valve on both suction and discharge connections and easy access plate for cleaning suction screens. Direct drive at 1750 rpm with 60-hp motor.

Circle No. 222 on Reader Service Card

Portable Gantry

Product: Wheel-mounted gantry with adjutable height and variable wheel tread.



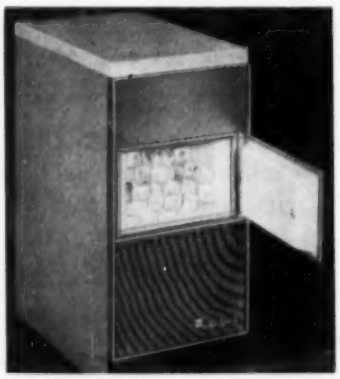
Manufacturer: B. E. Wallace Products Co., Exton 1, Pa.

Features: Ultra-light, high-strength aluminum alloy I-beam which permits easier and safer handling, due to greatly reduced weight and top-heaviness. I-beam also swings freely into plumb position, because supports are on common axis. Also eliminates all twist and strain due to uneven surface. Available without rubber wheels and adjustable frame. Over 6′ of adjustment in each leg. Permits setups on ramps, platforms, truck beds, and rough ground. All four legs and their braces can be folded against beam for compact storage or for easy hauling on truck. Trolley is free to travel entire length of beam without obstructions. These are available in heights up to 17′, up to 15′ spans, and up to 2-ton capacity.

Circle No. 223 on Reader Service Card

Ice Cube Maker

Product: Ice cube maker designed for under-counter installation or for use as free-standing unit.



Manufacturer: Whirlpool-Seeger Corp., St. Joseph, Mich.

Features: Only 16″ wide. Stainless steel front panel. Back panels to blend with any decorative scheme are available in stainless steel or colorful Formica finishes. As ice cubes are used, thermostatic device senses need to replenish supply. Produces 35 lbs. of ice per day—approximately 1200 cubes. Storage bin holds 16½ lbs. of ice cubes always ready for use. Automatically regulated by demand, produces more ice in solid sheet by directing flow of cold water over inclining freezing plate. When water freezes to appropriate thickness, freezing plate is heated so that slab slides down incline onto grid of crossed wires. Wires are spaced in 1¼″ squares. Sends electrical current through wires in grid to form cubes. Slab of ice melts through heated wires quickly, and slender ice cubes fall into storage bin.

Circle No. 224 on Reader Service Card

Suspended Cooler

Product: Improved line of standard "Humi-Temp" suspended unit coolers, including new Model MT-320 with capacity of 32,000 Btuh at 10-degree TD.

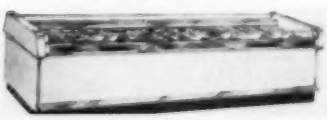
Manufacturer: Larkin Coils, Inc., Atlanta, Ga.

Features: Model numbers on units now designate capacities, which have been changed slightly to balance standard compressor capacities. Number of fans in large-capacity units has been reduced from three to two. More powerful motors and larger fans operate at reduced speeds and deliver more air at lower noise level. Bolted construction permits easy access to all parts, and case is constructed of heavier gauge aluminum. Heavily insulated nonsweat drip pan. Rustproof aluminum case. Airplane-type vibrationless fasteners, adjustable louvers, and slotted hanger bars.

Circle No. 225 on Reader Service Card

Frozen Food Cases

Product: Line of self-contained, low-temperature wall and island-type frozen food cases.



Manufacturer: McCray Refrigerator Co., Inc., Kendallville, Ind.

Features: Built in 8 and 12′ lengths for continuous installation. Model HFF-8M (wall-type) will

display 1164 packages of frozen food (5 x 4 x 1½") or 856 pints of ice cream. Model HFF-12M will display 1568 packages of frozen food. Model HIDFF-8M (island-type) holds 931 packages of frozen food (5 x 4 x 1½") or 856 pints of ice cream. Model HIDFF-12M (shown) will display 1372 packages of frozen food. Ideal for increasing size of frozen food department when there is no way of installing refrigerant and drain lines in existing floor. No drain necessary as defrost water is evaporated automatically. Adequate sub-zero temperatures. Special 2-hp condensing unit is placed lengthwise across one side of case behind hinged panel which gives easy access to complete assembly for adjustments or service. Rapid automatic electric defrosting assures minimum temperature rise in product load.

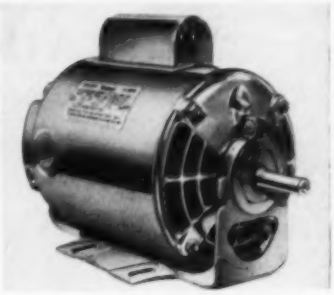
Circle No. 226 on Reader Service Card

Split-Phase Motor

Product: Capacitor-start and split-phase motors in rigid and resilient base models.

Manufacturer: Wagner Electric Corp., St. Louis, Mo.

Features: Available in NEMA 48-frame size. Through use of smaller, lightweight, precision-machined steel frames and cast aluminum endplates, weights of 1/6, 1/4, and 1/3-hp ratings have been reduced from



3 to 8 lbs. Lubrication system permits mounting sleeve bearing motors at any angle with positive, protection location in every position. Bearings, lined with high tin babbit, have antiseizure and nonscoring characteristics, high corrosion resistance. "Mylarpaper" laminated slot insulation. Quick-break switch. Easily accessible terminal board.

Circle No. 227 on Reader Service Card

Chilling Machine

Product: Low-temperature chilling machine (Model LA-120-2).

Manufacturer: Cincinnati Sub-Zero Products, Cincinnati, Ohio.

Features: Accurate control of temperatures from +25 to –135 F. Swivel-type rubber casters. Chilling

chamber has 2 cu.ft. capacity. Chamber is 24" long, 12" wide, and 12" deep, with clear opening at lid 21½ x 10½". Outside dimensions: 24" high, 40" long, and 32" wide. Chamber of 10-gauge steel, hot-dipped zinc. Thermal capacity 400 Btuh at –120 F. System has two ¾-hp hermetic motor compressors. 230-volt, 60-cycle, single-phase motors have built-in thermal overload and under-voltage protection. Electrically-operated red light serves as silent power signal.

Circle No. 228 on Reader Service Card

Soldering Gun Kit

Product: Soldering gun kit (8100K) for application with air-conditioning, refrigeration, and heating equipment.

Manufacturer: Weller Electric Corp., Easton, Pa.

Features: Handy for patching up air holes in tubing, piping, or galvanized duct work. Gun's electrodes are ready to deliver only five

seconds after pressing trigger. Twin-focused spotlights in barrel permit fast and accurate soldering even in dark corners, which easily are reached by long soldering tip. Kit includes 100-watt gun with dual spotlights; metal brush for cleaning material, slotted-tip soldering aid for tight wire-twists; supply of resin flux-cored wire solder; and instruction booklet.

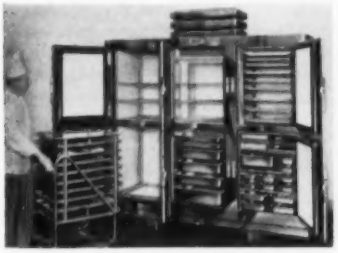
Circle No. 229 on Reader Service Card

Reach-In Refrigerator

Product: Series "M" reach-in refrigerators.

Manufacturer: Koch Refrigerators, Inc., Kansas City, Kan.

Features: Available in 1, 2, 3, or 4-section widths. Front opening or pass through, with solid or glass



doors, self-contained or remote, porcelain or stainless steel, for medium or frozen storage, in 26 or 34" depths. All-welded construction with heavy steel frames even on porcelain front models. Adjustable, removable, and interchangeable interiors. Complete adjustability of shelves. Food file unit, self-contained in frame and equipped to slide in and out of lower doors to or from special cart for transportation. Pan file makes possible storage of standard size pans. Carton file for portion control cartons.

Circle No. 230 on Reader Service Card

Acid Inhibitor

Product: Acid inhibitor additive ("Vapco-Hib") which permits use of strong, quick-acting, and inexpensive acids for scale removal without danger to metal surfaces.

Manufacturer: Garman Co., St. Louis, Mo.

Features: Provides unusually effective protection for metal surfaces, even zinc or galvanize, during descaling manufacturer says. When added to muriatic or other acid solutions, product sets up chemical reaction which renders metal passive or resistant to attack. Action forms only with virgin metal, and in no way affects rate of attack on calcium carbonate or other scale formations. Actually said to improve cleaning action, because it acts as wetting agent to give better surface contact. Not an acid, liquid is used in proportion of one 8-oz. bottle for each gallon of muriatic acid. May be either added to water or mixed with acid before application. Also available in 32-oz. size.

Circle No. 231 on Reader Service Card

Sealed Compressor

Product: "Space-Saver" sealed compressor for refrigeration applications.

Manufacturer: Kelvinator Div., American Motors Corp., Detroit, Mich.

Features: Available in nominal 1/5 and 1/8-hp. Designed for refrigerators, freezers, water coolers, refrigerated vending machines, beverage coolers, and many other refrigerated products. Other compressors are available in ¼, ⅓, and ½-hp for applications requiring greater capacity. Single cylinder, internally mounted. ⅛-hp model weighs only 27 lbs. 6¼" at thickest point. Outside diameter is 9¾".

Circle No. 232 on Reader Service Card

Upright Food Freezer

Product: "Harvest Queen" (UF-176) upright food freezer.

Manufacturer: United Refrigerator Co., Hudson, Wis.

Features: Small light attached to coiled, flexible cord permits ample lighting for every corner of unit. Green interior and gold trim. Shelves provide increased circulation of cold air over and around frozen foods. One-piece interior door pan with molded-in shelves and gold package retainers. Built-in frozen soup shelf. Special rack for holding and retaining long packages of frozen foods. Shelves easily accommodate 2½-gal. carton of ice cream. Slide-out basket at bottom provides space for irregular, hard-to-store items. Floor space needed for freezer is only 32 x 32". Built-in condensation inhibitor prevents excessive moisture on exterior of cabinet. Sealed-in-oil compressor has static condenser for silent operation.

Circle No. 233 on Reader Service Card

Volt Ammeter

Product: Snap-around-type volt ammeter, "RS-1 Amprobe".

Manufacturer: Pyramid Instrument Corp., Lynbrook, N. Y.

Features: Built-in recessed range-selector permits selection of any one of 4 amps and 2 voltage ranges by just a flick of thumb.

Magnifying-glass covered dial. Longer needle sweep. Pointer lock holds needle in place when taking reading

in difficult location. Can be used for current measurement without cutting conductors. Comes equipped with fitted leather case that can be hooked on belt.

Circle No. 234 on Reader Service Card

Bakery Case

Product: Self-contained bakery case (Model BK-8) with flush-hinged doors.

Manufacturer: Peerless Equipment Corp., Mount Vernon, N. Y.

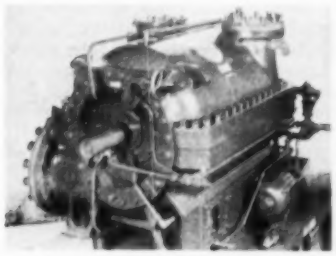
Features: Maximum visibility. Plug in and use. Easy-gliding glass doors. Stainless steel exterior and white interior. Comes in 6 and 8′ sizes.

Circle No. 235 on Reader Service Card

Multi-Stage Compressor

Product: Line of multi-stage centrifugal compressors for refrigeration applications.

Manufacturer: York Corp., Subsidiary of Borg-Warner, York, Pa.



Features: Capacities from 100 to 4000 tons. Approximately 400 fewer parts than any other conventional multi-stage refrigerating compressor, manufacturer says. Shaft seal can be replaced without removing refrigerant from system.

Circle No. 236 on Reader Service Card

Fastening Device

Product: "Red Head", concrete fastening device.

Manufacturer: Phillips Drill Co., Michigan City, Ind.

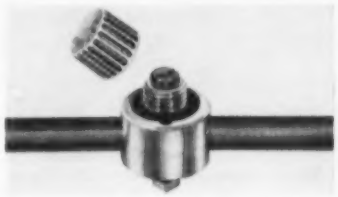
Features: Made of casehardened manganese steel. Serrated cutting teeth at one end and threaded socket at other. Circular cutting grooves of fastener act as broach which undercuts hole. Four vertical-milled slots assure uniform expansion. Fasteners cannot pull out, rust out, melt out, or shake loose. Each fastener comes with mating expander plug and both plug and fastener have rust-resistant finish. Available in wide range of models and sizes.

Circle No. 237 on Reader Service Card

BUY FROM YOUR REFRIGERATION WHOLESALER

Line-Tap Valve

Product: Sixth-size addition to series of line-tap valves. Listed as Part LT-10 for ⅝" O.D. tubing.



Manufacturer: Watsco, Inc., Hialeah, Fla.

Features: Other sizes are 3/16, 1/4, 5/16, 3/8, and 1/2" lines. Line-piercing valves withstand vibrations. Will not crimp or otherwise mutilate tubing to which it is affixed.

Circle No. 238 on Reader Service Card

Counter Refrigerator

Product: Line of welded, all-aluminum counter refrigerators.

Manufacturer: Foster Refrigerator Corp., Hudson, N. Y.

Features: Completely wired and fused, and contains outlets for electric cooking equipment. Models available to house 3, 5, or 7 cooking

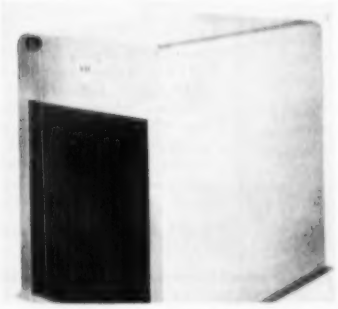
units. Work tops are finished in consoweld with oak cutting board. Adjustable legs, glass doors, and sliding refrigerator drawers are available.

Circle No. 239 on Reader Service Card

Water Chiller

Product: Air-cooled refrigerated water chillers in 5 and 7½-ton sizes.

Manufacturer: Vic Mfg. Co., Minneapolis, Minn.



Features: Cools and recirculates small quantity of water. Applicable where smaller models will not give top performance on large equipment. Ideal where cool water is scarce or expensive or where sewerage is too costly.

Circle No. 240 on Reader Service Card

Sealing Compound

Product: Thread-sealing compound (No. 5) that dries slow and sets soft.

Manufacturer: Rectorseal Div., Rector Well Equipment Co., Houston, Tex.

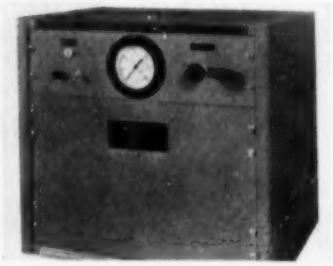
Features: Particularly suited for assembly work since it will not dry in open can. Will not harden with age under recommended service conditions, manufacturer says. Plastic elasticity of product allows joint to be broken easily at any time without damage to threads. Contains no lead or other metals. Available in ¼, ½, and 1-pint, brush-top cans and 1-quart, friction-top cans.

Circle No. 241 on Reader Service Card

Low-Pressure Dryer

Product: Series of low-pressure adsorption dryers for refrigeration components.

Manufacturer: Kahn & Co., Inc., Hartford, Conn.



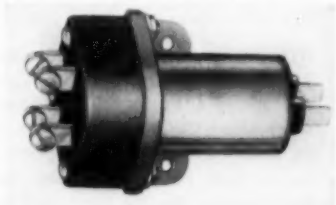
Features: Completely automatic with twin adsorption towers to assure continuous flow of dry gas at dewpoints of −50 F or lower. Explosion-proof construction is available for hydrogen service.

Circle No. 242 on Reader Service Card

Control Switch

Product: Power-type electromagnetic switch ("Powerloid") actuated by solenoid plunger for air conditioning and refrigeration equipment.

Manufacturer: Guardian Electric Mfg. Co., Chicago, Ill.



Features: Combines characteristics of both relay and solenoid. Designed for heavy-duty motor and heater loads, unit tested for 230-volt a.c., motor loads up 3-hp and for heater units up to 8400 watts. Available in several contact combinations.

Circle No. 243 on Reader Service Card

Rust Preventative

Product: Rust preventative especially suited for preventing formation of rust on pump installations during shut-down periods.

Exclusive Distributor: Worthington Corp., Harrison, N. J.

Features: Can be sprayed or painted on any metal surface which might rust. Small parts can be dipped in solution. Nonirritating, and parts or tools coated with it can be handled at once. If desired, can be removed easily with gasoline, kerosene, acetone, or 140 F water.

Circle No. 244 on Reader Service Card

Hand Torch

Product: Hand torch which develops flame temperature of 2700 F, only 300 degrees short of temperature needed for welding.

Manufacturer: Prepo Corp., Edgerton, Wis.

Features: Burner design incorporates pre-heating device that raises temperature of gas to 1000 F before it enters combustion chamber. Normal cooling effect of expanding gas is reversed. Pre-heating accomplished with superheater tube which channels gas to and around hot mouth of combustion chamber before it is ignited. Manufacturer offers full money-back guarantee. Illustration shows disintegration of paper clip. One end of clip will disintegrate and actually melt before other end becomes too hot to hold with fingers.

Circle No. 245 on Reader Service Card

Ratchet Pipe Threader

Product: Two drophead ratchet pipe threaders with segmental dies.

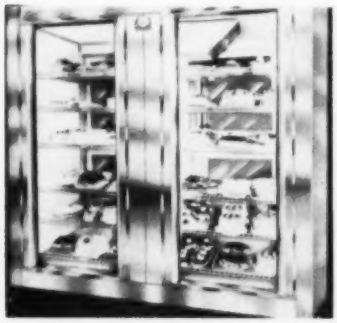
Manufacturer: Erie Tool Works, Erie, Pa.

Features: In two size ranges—

No. 1PR in all sizes from ⅛ through 1¼" and No. 2PR in all sizes from ⅛ through 2". Die heads change instantaneously, yet cannot fall out. Two-way ratchet is provided for easy back-off. Dropheads work equally well for hand or machine operation and are designed so chips clear themselves. Chasers are self-starting. Nominal amount of oil is necessary.
Circle No. 246 on Reader Service Card

Refrigerator Case

Product: Two-temperature, "Display-and-Sell" baker's refrigerator.



Manufacturer: Frigid Igloo Mfg. Corp., Yonkers, N. Y.

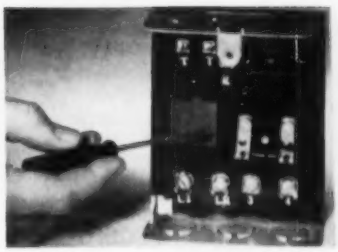
Features: Completely automatic. Length 73", depth 35¼", height 76". Stainless steel exterior, white interior. Has 30 cu. ft. freezer section with three 18 x 26" pans, and six 9 x 26" pans for ice cream cakes and frozen desserts, 30 cu. ft. high temperature section for whipped cream, etc.
Circle No. 247 on Reader Service Card

Switching Relay

Product: Line of all-purpose switching relays for use with residential air conditioning compressors, room air conditioners, and other refrigeration applications, such as milk coolers and walk-in refrigerators.

Manufacturer: Minneapolis-Honeywell Regulator Co., Minneapolis, Minn.

Features: Give precise control of relatively high current by low-amperage thermostat. Makes it possible to control residential cooling compressors and other loads of between ½ and 2-hp at much higher level of sensitivity than with line-voltage and remote bulb temperature-sensing controls, manufacturer says. Model R847A has built-in transformer. Model R847-B comes without transformer. Both are designed for use with low-voltage thermostats. Model R447A is available for use with line-voltage control instrument. Easily mounted in close spaces, because of compact size (5¼ x 4¼ x 2¾").



Circle No. 248 on Reader Service Card

FIRM'S NAME CHANGED TO RECOLD CORP.

Recold Corp. became the new name of Refrigeration Engineering, Inc., on Feb. 15, according to H. T. (Hy) Jarvis, president of this Los Angeles company.

Company officials felt the name change was inevitable since the firm has been known unofficially as Recold since 1932 and has marketed its products under the Recold trademark since that time.

This name change marks the beginning of the firm's 25th year.

HUNTER FORMS COLD STORAGE DOOR FIRM

Gene Hunter, for many years in the refrigeration and related fields, announces the formation of a new company, Cold Storage Door and Supplies, Inc., with offices in the Produce Bldg., Los Angeles.

Hunter heads the new organization which supplies doors for coolers, cold storage plants, and warehouses.

He previously was associated with Jamison Cold Storage Door Co. and Thermal Products Co.

PENN CONTROLS BUYS WEST COAST COMPANY

Purchase of Campbell Controls Co., of Santa Ana, Calif., has been announced by officials of Penn Controls, Inc. The California firm manufactures thermostatic devices used in appliances, aircraft, and central heating.

Ralph S. Penn, president of Penn, disclosed that the Santa Ana firm would continue operation as a Penn division. R. A. Fisher, general manager of Campbell Controls will continue in that capacity, he added. J. R. Campbell, founder of the west coast company, has been retained as an engineering consultant.

TYLER IN PARTNERSHIP WITH AUSTRALIAN FIRM

The signing of a partnership agreemont by Tyler Refrigeration International, C. A. of Caracas, Venezuela and Niles, Mich., with Frigrite, Ltd., of Port Melbourne, Australia has been announced by Robert L. Tyler, president.

The agreement has been made retroactive to July 1, 1956, and calls for production of Tyler-designed supermarket equipment and its distribution to the Australian market by Frigrite.

An additional tentative agreement also was made for the manufacture and distribution of Wilson Bulk Milk Cooler Systems, effective November 1, 1956. Wilson Refrigeration, Inc., Smyrna, Del., is a subsidiary of Tyler Refrigeration Corp.

Quality pure
Quantity sure

WITH...

Charg-A-Can®
PACKAGED REFRIGERANTS

- **Factory controlled purity**
- **Assured accurate charging**
- **No cylinders, no deposit**

There's never a doubt when you use American Potash & Chemical Corporation's accurate, dependable, and economical Charg-A-Can packaged refrigerants.* Dependable *quality* and positive *quantity* are both assured because Charg-A-Cans are filled under carefully controlled factory conditions, with material expertly analyzed for purity and moisture content. Service efficiency is increased because Charg-A-Cans save time, eliminate waste, do away with costly charging racks and cut down on heavy storage and transportation requirements. Stock-up on Charg-A-Cans today and watch service profits soar!

*Charg-A-Can refrigerants are packaged as follows:

"Freon-12"†	95/100 lb.
"Freon-22"†	2 lb.
"Freon-114"†	1 lb.
Sulfur Dioxide	1 lb.
Methyl Chloride	2 lb.

†TRADEMARK OF E. I. DUPONT DE NEMOURS & CO., INC.

For your convenience, Charg-A-Cans are available in six-pack containers for greater ease in handling, stocking, display.

Stocked by refrigeration wholesalers everywhere.

REFRIGERATION DEPARTMENT

TRONA

American Potash & Chemical Corporation

3100 EAST 26TH STREET, LOS ANGELES 23, CALIFORNIA 99 PARK AVENUE, NEW YORK 16, NEW YORK

Circle No. 108 on Reader Service Card

PRICE REDUCTIONS ON STYROFOAM ANNOUNCED

The Dow Chemical Co. has announced price reductions ranging from 10 to 15% on standard board forms of Styrofoam, Dow expanded polystyrene.

Board forms of the plastic foam material, available in 3-ft., 8-ft. and 9-ft. lengths and 12-in. and 16-in. widths, are affected by the change.

FLEXONICS ACQUIRES FLEX-O-TUBE DIVISION

Two leading manufacturers of flexible tubing have joined forces to provide industry with one line of flexible hose and fittings of all materials for industrial use.

John F. P. Farrar, president of Flexonics Corp., Maywood, Ill., and George A. Fry, president of Meridan Corp. have announced acquisition of the Flex-O-Tube Div. of Meridan Corp., Inkster, Mich. by Flexonics.

Flexonics Corp. is a major manufacturer of flexible metal products, including hose, bellows, expansion joints, compensators and ducting assemblies for industrial, automotive and aircraft use. Flex-O-Tube has for 29 years been a leading manufacturer of couplings and hydraulic hose assemblies in rubber and plastic.

Flexonics, manufacturing in plants at Maywood, Elgin, Rock Falls, Savanna (Ill.), Memphis, Tenn., Elizabeth, N. J., and at its Canadian subsidiary, Flexonics Corp., of Canada, Ltd. at Brampton, Ont., now adds the Flex-O-Tube plants at Inkster, North Hollywood, Calif., and the Canadian subsidiary at Windsor, Ont.

THERMAL CO. ENLARGES

E. F. King, president, Thermal Co., Inc., St. Paul 14, Minn., announces the opening of the third office and warehouse location of this firm in the Twin City metropolitan area. The new warehouse is at 431 E. 7th St., St. Paul.

4 FIRMS ELECTED TO MEMBERSHIP IN ARW

Four firms recently were elected to membership in Air-Conditioning & Refrigeration Wholesalers. They are: Graves Supply Co. of Augusta, Augusta, Ga., representative, George E. Murphy; Graves Supply Co. of Macon, Macon, Ga., Rep., R. L. Paul;

Thermal Supply Co., Inc., Seattle, Wash., Jack M. Tupper; and Wisconsin Refrigeration Supply Co., Milwaukee, Thomas E. Clark.

CONTROLS CO. EXPANDS

Controls Co. of America has announced plans to build a 7,000 sq.ft. addition to increase assembly and fabrication operations at the Nijmegen, Holland, plant of its subsidiary Controls Maatschappij Europa N.V. The company also has acquired more than 55,000 sq.ft. of adjacent land for future expansion.

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PENNSALT COMPLETES KENTUCKY PLANT WING

Completion of a major plant addition at Pennsalt Chemicals' Calvert City, Ky., works marked the introduction of Isotrons—the company's new line of aerosol propellents and refrigerant gases.

Pennsalt president, William P. Drake, announced that a second Isotron unit is under construction and scheduled for completion later this year. Both projects are part of a $55 million expansion program.

FOOD PRESERVATION TOPIC OF SYMPOSIUM

A symposium on future developments in food preservation, sponsored by Midwest Research Institute, will be held at the Hotel Muehlebach, Kansas City, Mo., April 2 and 3.

Emphasis the first day will be on expected future developments in food preservation, including methods of packaging. Speakers will consider refrigeration and freezing, dehydration, dehydro-freezing, heat sterilization, high energy sterilization (irradiation), and chemical preservation (antibiotics, additives, etc.)

"This happens every time I make a service call at a Super Market!"

Aspects of food preservation to be covered on the second day are the expected advances in economics and home economics, nutrition, public health, and other physiological considerations.

For further information, write "Food Symposium, Midwest Research Institute, 425 Volker Blvd., Kansas City 10, Mo."

BORG-WARNER UNITES HYDRALINE, YORK DIVS.

Borg-Warner Corp. has consolidated its Hydraline Products Div. in Detroit, with its York Div. in York, Pa.

Hydraline produces forced-water air conditioning systems and recessed room heating, cooling, and air filtering units. York manufactures air conditioning and refrigeration equipment.

Under the consolidation, York will expand its manufacturing program to include a new line of York-Hydraline air conditioning products. These will be marketed through the present Hydraline distribution system, serving primarily the plumbing and heating trade.

OFFICERS ARE ELECTED BY REGIONS 4, 6, 7, ARW

Regions No. 4, 6, & 7, Air-Conditioning & Refrigeration Wholesalers have announced their new officers for 1957.

Elected from Region No. 4 are: E. S. Diggle, Henry V. Dick Co., Columbia, S. C., chairman; Erwin H. Bosarge, Leo S. Bosarge Co., Atlanta, Ga., vice chairman; and John C. Graves, Graves Refrigeration Supplies, Miami, Fla., secretary and treasurer.

Region No. 6: D. J. Smith, Vincent Refrigeration & Heating, Milwaukee, chairman; Harry Jessel, Gustave A. Larson Co., Milwaukee, secretary; and James Alter, Harry Alter Co., Chicago, treasurer.

Region No. 7: Don J. Wickham, Wickham Supply Co., Inc., Lincoln, Neb., chairman; and Don C. Simpson, Superior Supply Co., Wichita, Kans., secretary-treasurer.

Region No. 6. will hold its annual summer meetings June 27-29 at Nippersink, (Wis.) Manor.

BINKS NAMES FUNK

The William R. Funk Co. has been appointed exclusive sales representative in the Philadelphia area for Binks Cooling towers. The company is located at 101 N. 33rd St., Philadelphia.

The Complete Line . . . DUNHAM-BUSH

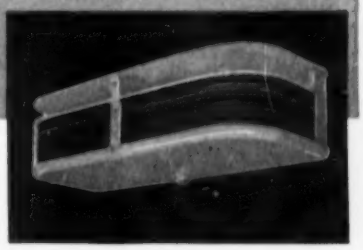
. . . A BONUS TO REFRIGERATION CONTRACTORS

There's a DUNHAM-BUSH unit for every commercial refrigeration need — high or low temperature. To service engineers and contractors this means a bonus in time saved "shopping" for the right unit . . . installation time saved by knowing the line . . . engineering costs shaved with the help of DUNHAM-BUSH Sales Engineers who are always available to assist in selection and application. There's a "peace-of-mind" bonus, also, in knowing that latest design, reliably-rated DUNHAM-BUSH units cut down costly trouble calls.

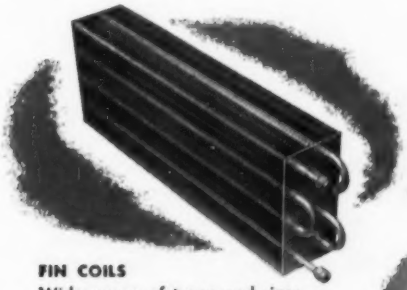
INNER-FIN

BY BUSH

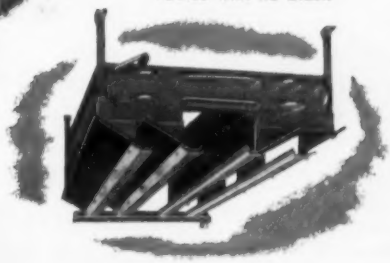
DUNHAM-BUSH
'JF' JET-FLO COOLER
Stainless steel casing. Completely non-ferrous construction throughout. Patented Inner-Fin coil design. Arranged for "suck-through" operation, but supplied with extra fan for "blow-through" arrangement. Units can be wall or ceiling mounted.



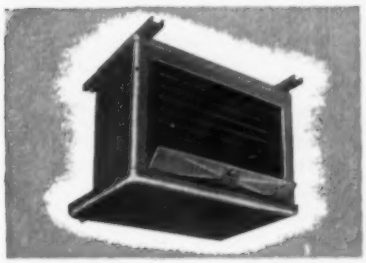
DUNHAM-BUSH
'WJ' UNIT COOLERS ▶
For space-saving installation at juncture of wall and ceiling. Air circulation through 180° radius with no blast.



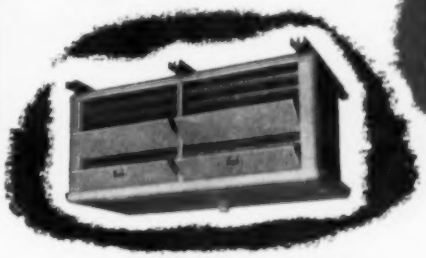
FIN COILS
Wide range of types and sizes to meet diverse requirements. Aluminum fins on copper tubing. Copper Inner-Fins.



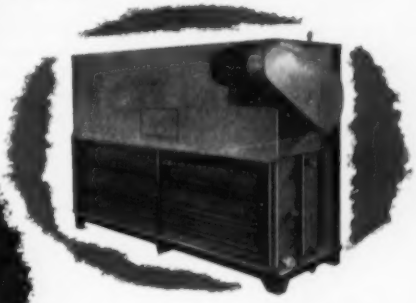
◀ DUNHAM-BUSH
PLASTI-COOLERS
Jet black plastic baffles eliminate sweating. Baffles pitched for gentle, gravity-type air flow that provides maximum circulation without blast.



'HG' HOT GAS DEFROST UNITS
'ED' ELECTRIC DEFROST UNITS
Inner-Fin coil construction permits rapid defrosting *from the inside*. No reboilers, complicated piping, other "extras".



'UC' STANDARD UNIT COOLERS
Ten models to meet any application need. Aluminum fins on copper tubing. Slotted hangers for quick installation.



'GD' GLYCOL DEFROST UNITS
Product coolers featuring Inner-Fin coils that permit *entirely separate* defrosting circuit. Available in floor or ceiling models. Assembled defrost circuit kit supplied.

DUNHAM-BUSH

Dunham-Bush, Inc.

WEST HARTFORD 10 • CONNECTICUT • U. S. A.

AIR CONDITIONING, REFRIGERATION, HEATING PRODUCTS AND ACCESSORIES

MARSHALLTOWN, IA. • MICHIGAN CITY, IND. • RIVERSIDE, CALIF. • TORONTO, CAN. • LONDON, ENG. • HEAT-X, INC., BREWSTER, N. Y.

Circle No. 116 on Reader Service Card

CONTRACT AWARDED TO REBUILD FOGEL PLANT

Fogel Refrigerator Co., announces that a contract has been awarded to William F. Lotz, Inc., to rebuild the fire-destroyed sections of its plant.

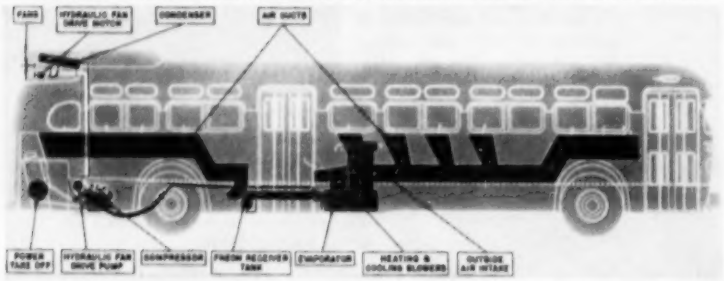
A 51,000 sq.ft. building will be constructed to replace the portions of Fogel's plant which were ravaged last Oct. 18 in a spectacular $500,000 seven-alarm blaze. The fire, one of Philadelphia's largest in recent years, destroyed two of Fogel's seven buildings and seriously threatened neighboring homes and plants. The ravaged buildings had housed the company's woodworking, sheet metal, small parts storage, and glass departments.

A new building had been earmarked for construction in 1958 as part of the firm's expansion plans. However, the urgency of replacing the lost buildings was considered secondary to the firm's long-term needs. Fogel and Lotz planned the new structure carefully so it can be expanded further to meet future growth. The new structure will be built on a 1½ acre site now used as a parking lot and will tie in with present production on a straight-line set up. This new addition will enlarge the plant to over 150,000 sq.ft. of one-story manufacturing space. A railroad siding running inside the new building and off-street truck docks will facilitate loading and unloading.

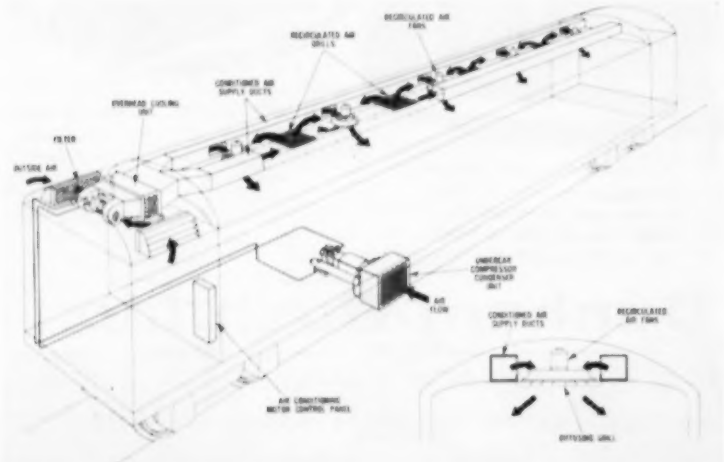
The new structure, scheduled for completion by late spring, will house all "metal" operations (including storage, shearing, forming and finishing).

BUY FROM YOUR REFRIGERATION WHOLESALER

TRANE DEVELOPS TRANSPORTATION COOLING SYSTEMS



TWO INNOVATIONS in transportation air conditioning have been developed by Trane Co. for New York's bus and rail systems. Experimental air conditioned bus (above), developed for Fifth Avenue Coach Lines, Inc., is claimed to be first of its kind, in which heavy-duty air conditioning unit is driven directly by main power plant of bus. Diagrammatic sketch (below) shows air conditioning system installed in Hudson-Mahattan Subway car. System designed by Pullman-Standard Car Mfg. Co. and engineered by Trane is styled to provide cool comfort for the entire day — from rush hours to slack periods.



STOCKHOLDERS ASKED TO OK SALE OF BRUNNER

Stockholders of Brunner Mfg. Co. have been asked to vote approval of a proposal to sell the company's assets to Dunham-Bush Inc., West Hartford, Conn. Both firms are prominent in the air conditioning and commercial refrigeration field.

The plan has the unanimous endorsement of the boards of directors of both companies. It also

"I see Fusswell got that new territory."

has the support of Fusz-Schmelzle & Co., St. Louis brokers, who last summer solicited proxies among Brunner stockholders in opposition to a proposal to sell Brunner to Bendix-Westinghouse Automotive Air Brake Co.

For every 100 shares of Brunner stock, the Dunham-Bush proposal would provide: 25 shares of Dunham-Bush common (over-the-counter), plus $600 in a new issue of 6% subordinated debentures of Dunham-Bush due in 1977. The offering also would provide, for each $100 in debentures, a warrant for one share of Dunham-Bush common at $12, exercisable for five years.

The letter to Brunner stockholders cited that Dunham-Bush currently is paying an annual dividend of 60 cents per share as compared with 30 cents per share being paid by Brunner. A return of 51 cents for each share of Brunner stock now held including interest and dividends might be expected if the sale is approved and the present Dunham-Bush divident rate is maintained, it was pointed out.

Proxies have been solicited for a special meeting early in March to act on the proposed sale.

HERE'S NEW MILLION-DOLLAR BAC PLANT

NEW MILLION-DOLLAR plant of Baltimore Aircoil Co., Inc., which opened last December, reached all-time high production levels for the company of evaporative condensers and cooling towers, within two months after the start of operations. The plant, with new up-to-date manufacturing equipment and methods, has twice the production capacity of the former plant.

CARBIDE & CARBON IN FLUOROCARBONS FIELD

Plans to build a 50 million pound per year unit to manufacture fluorocarbons have been announced by D. B. Benedict, president of Carbide and Carbon Chemicals Co., Div. of Union Carbide and Carbon Corp. The fluorocarbons production unit will be built at the Institute, West Virginia plant of Carbide and Carbon and is expected to be in operation by the latter half of 1958.

The fluorocarbons will be marketed as refrigerants and propellants for aerosols, under John A. Field, vice president of Carbide and Carbon.

These industries will be served by a sales organization now being established. Backing up the field service group will be a customer service laboratory group to help with advice on formulations and engineering problems.

Union Carbide has 120 bulk stations and more than 1,000 warehouses in the United States from which to choose locations to provide prompt delivery service to users of fluorocarbons.

FIRST "GOLDEN ANNIVERSARY" MODELS SHIPPED BY BRYANT

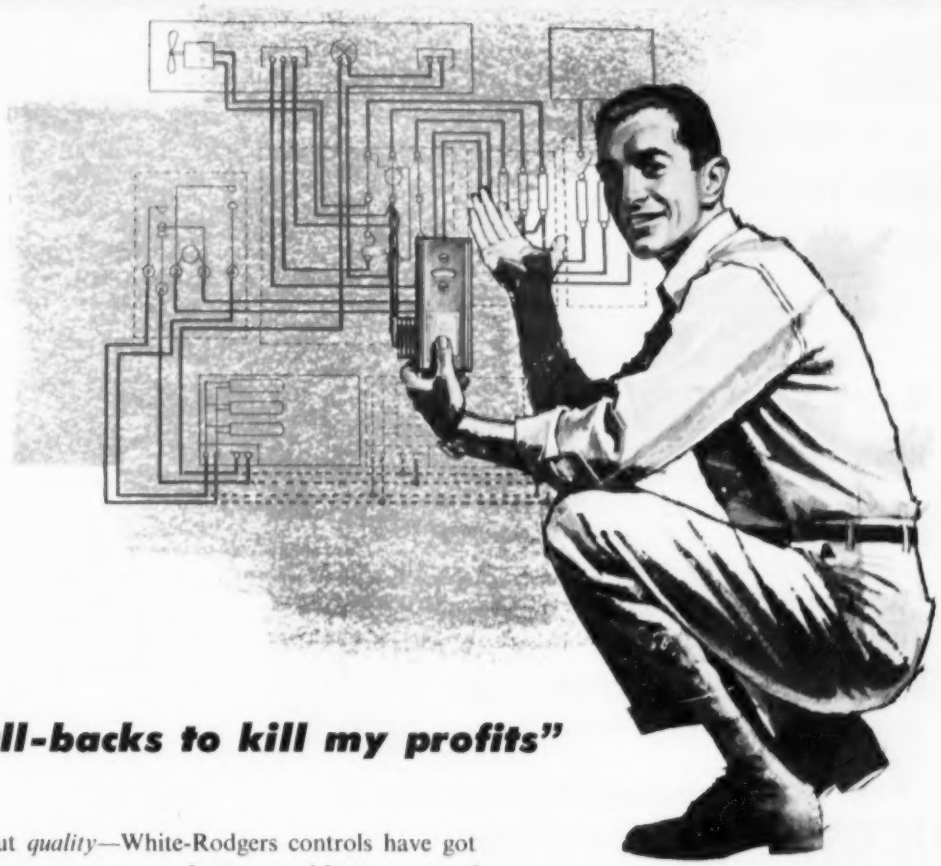
BRYANT SALES OFFICIALS are shown outside the company's new office building at Indianapolis as they prepare to turn the key in the "world's largest padlock". The occasion was the departure of the first vanload of golden-hued furnaces and air conditioners — Bryant's new 1957 golden anniversary line. The products are destined for Bryant distributor and dealer meetings. Left to right, are: Al Frazier, Mike Fortier, H. L. (Red) Clary, and Bill Chappell. Clary is vice president and general sales manager. The others are product sales managers.

YORK-SHIPLEY OFFERS NEW HEAT PUMP LINE

A new line of heat pumps to provide year-round heating and cooling of residences and commercial establishments soon will be placed on the market by York-Shipley, Inc.

The heat pumps will be incorporated with Shipley's line of air-cooled condensing units for remote installations and will be connected to the evaporator section through new-type precharged refrigerant lines. These eliminate the major problems of installation, according to S. H. Shipley, president of the firm.

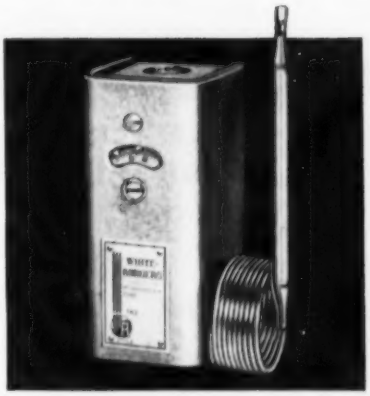
WHITE-RODGERS CONTROLS FOR MODERN REFRIGERATION



"No call-backs to kill my profits"

"Talk about *quality*—White-Rodgers controls have got it! They keep our customers happy—and keep us out of trouble! No matter how rugged the job, White-Rodgers controls have never let me down."

For remote temperature control of vital commercial and industrial installations such as refrigerated storage rooms, display cases, cabinets, walk-in boxes, or blood banks, the envied Quality of White-Rodgers controls with exclusive Hydraulic-Action tells its own story . . . with positive performance . . . and long service life.



Type 1609-12 is the pinch-hitting king of the control world. With its range −20 to +50° F., Adj. Diff. 3 to 25°, 5 ft. capillary with 5¼ x ⅝ inch bulb, it can step in and handle practically any emergency. No wonder so many wise servicemen always keep several on hand ready to take over where "ordinary" controls just can't do the job.

WHITE-RODGERS *Controls for Modern Comfort*

HEATING · REFRIGERATION · AIR CONDITIONING

ST. LOUIS 6, MISSOURI • TORONTO 8, ONTARIO

WHI-53

Circle No. 122 on Reader Service Card

LETTERS . . .

Continued from page 15

ed. Please send us more information, also name of manufacturer of pressure regulating valve and heat exchange.

FRANK L. HAAS
Haskris Co.
Chicago, Ill.

The heat pressure stabilizer system mentioned in the article referred to is made by Heat-X, Inc., Brewster, N. Y.

Wants List of Commercial Refrigeration Manufacturers

EDITOR:

We are very interested in obtaining a mailing list consisting of all commercial refrigeration manufacturers in the country.

Kindly advise us if you can furnish this type of list, the number of names it compiles, and what the cost would be to us.

MAURICE J. YUDENFREIND
Air Seal Insulating Glass Units Co.
Gloucester City, N. J.

The MASTER CATALOG of Air Conditioning & Refrigeration, which will be published in March, will contain a very comprehensive list of refrigeration manufacturers such as you refer to in your letter. The price of this Catalog is $6.50.

Seeks Address of RACCA

EDITOR:

May we call upon you for a favor? We would like to get the address of the Refrigeration and Air Conditioning Contractors Association (National).

R. L. ANGLE
A-1 Air Conditioning Service Co.
Houston, Tex.

The address of Air Conditioning and Refrigeration Contractors Association is 10660 Carnegie Ave., Cleveland 6, Ohio. Ray Kromer is executive vice president.

CHASE SUPPLY EXPANDS

Chase Supply Co., Chicago, has assumed ownership of H. W. Blythe Co., and the latter's branch store, both of Chicago, according to John P. Glass, Chase president.

A & H SUPPLY IS NEW DAYTON WHOLESALER

The A & H Supply Co., a new wholesale refrigerating supply service, has been opened at 701 E. First St., Dayton, Ohio, it was announced by company president Paul Hopper.

The company will supply parts and components for air conditioning and heating as well as refrigeration to service dealers, contractors, and industries throughout the greater Dayton area.

Lines and components handled by A & H include Brunner and Bendix-Westinghouse condensing units; Alco, Detroit and General refrigeration controls; Kerotest and Superior valves and fittings.

Hopper, a charter member of the Dayton section of ASRE, has had more than 20 years' of experience in supply service and until recently was connected with the W. H. Kiefaber Co. in Dayton.

Vice President Paul J. Amann is well known locally for construction work in heating and plumbing, also serving as president of the Dayton steamfitters local.

Secretary-Treasurer Thomas J. Amann, a graduate mechanical engineer, also is a member of ASRE, and formerly was a sales representative with the Du Pont refrigeration sales division.

NEW OFFICERS ELECTED BY INDUSTRY GROUP

The Air Moving and Conditioning Association, Inc. has elected new officers for 1957.

Elected president is W. H. Rietz, president of Hg Electric Ventilating Co. Rietz also serves as a director of the association.

R. W. Nelson, vice president of American Air Filter Co., has been elected vice president. Nelson was president of the 57-company trade association during 1956.

Also named vice president is F. W. McKenna, chief engineer of Kennard Corp.

J. P. Johnson, sales manager, Ventilating Div., Swartwout Co., has been elected secretary-treasurer.

Reappointed executive vice president is L. O. Monroe, who will administer association activities at AMCA headquarters, 2159 Guardian Bldg., Detroit 26.

CONTRACTORS

NEWS • ACTIVITIES • PLANS

So. Calif. Contractors Promote Their Own Services With Maintenance Brochure

Aimed at users of refrigeration and air conditioning systems, an informative 8-page, pocket-size brochure on basic maintenance procedures is being effectively used by members of the Refrigeration and Air Conditioning Contractor's Association of Southern California, Inc., as a means of promoting their own services.

Headed "Proper Care of Your Refrigeration and Air Conditioning System", and bearing the subtitle "An ounce of prevention is worth a pound of cure", the cover of this booklet states that it has been published in the public interest through the cooperation of the building and safety department, the health department, and the fire department of the city of Los Angeles.

Back cover of the brochure urges the recipient to "Read This Carefully—it will save you money, it may save your business, it could save your life!". At the bottom of the page space is allotted for the company imprint of the contractor member of the association distributing that particular copy of the brochure.

Stressing the fact that "good equipment must have good care", the booklet is filled with brief but practical pointers on the maintenance of such items as hardware, door gaskets, coils, cabinets, electric cords, condensing units, cooling towers or evaporative condensers, filters, and belts. The importance of following manufacturers' instructions and using the proper tools is emphasized, along with the advisability of making periodic checks on the entire system.

The association arranged to have 50,000 of these brochures printed, offsetting the greater part of the cost by charging members $25 per thousand for any they wished to distribute over their own name. Additional thousands were distributed by various interested city agencies.

FTC TO HEAR DEFENSE OF ACCUSED DAIRY CO.'S

Nine major ice cream companies, which have been charged by the Refrigeration & Air Conditioning Contractors Association with unfair trade practices of giving away refrigeration equipment to their accounts will present their defense before Federal Trade Commission hearing examiners during March.

Hearings will begin in Washington, March 18, with H. P. Hood & Sons, Inc., Charleston, Mass. Dates for the other hearings have not been announced.

The other eight firms accused of giving special inducements to retailers to handle their merchandise to the disadvantage of their smaller competitors are:

Carnation Milk Co., Borden Co., Beatrice Foods, National Dairy Products Corp., Pet Milk Co., Fairmont Foods Co., Arden Farms, and Foremost Dairies.

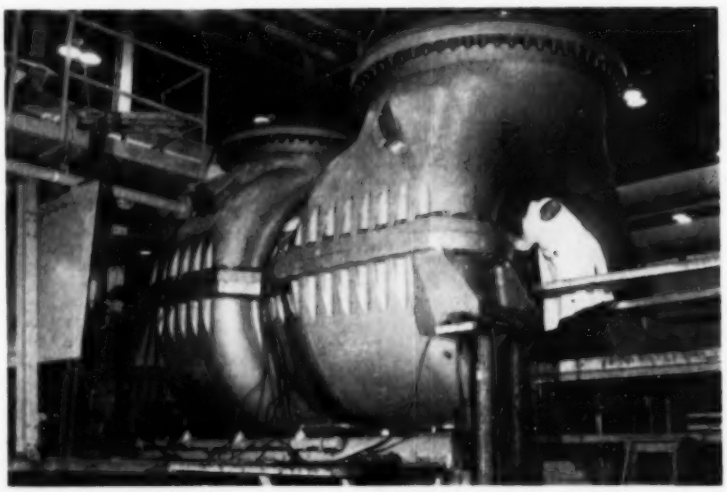
CONDITIONING GROUP, HOUSTON RACCA MERGE

The Air Conditioning Association Association of Houston and the Mechanical Contractors Association of Houston, Inc., have been merged into one association, according to Norman Jensen, executive secretary of RACCA of Houston. The name of the new all-inclusive group will remain as the Mechanical Contractors Association of Houston, Inc., with RACCA National affiliation.

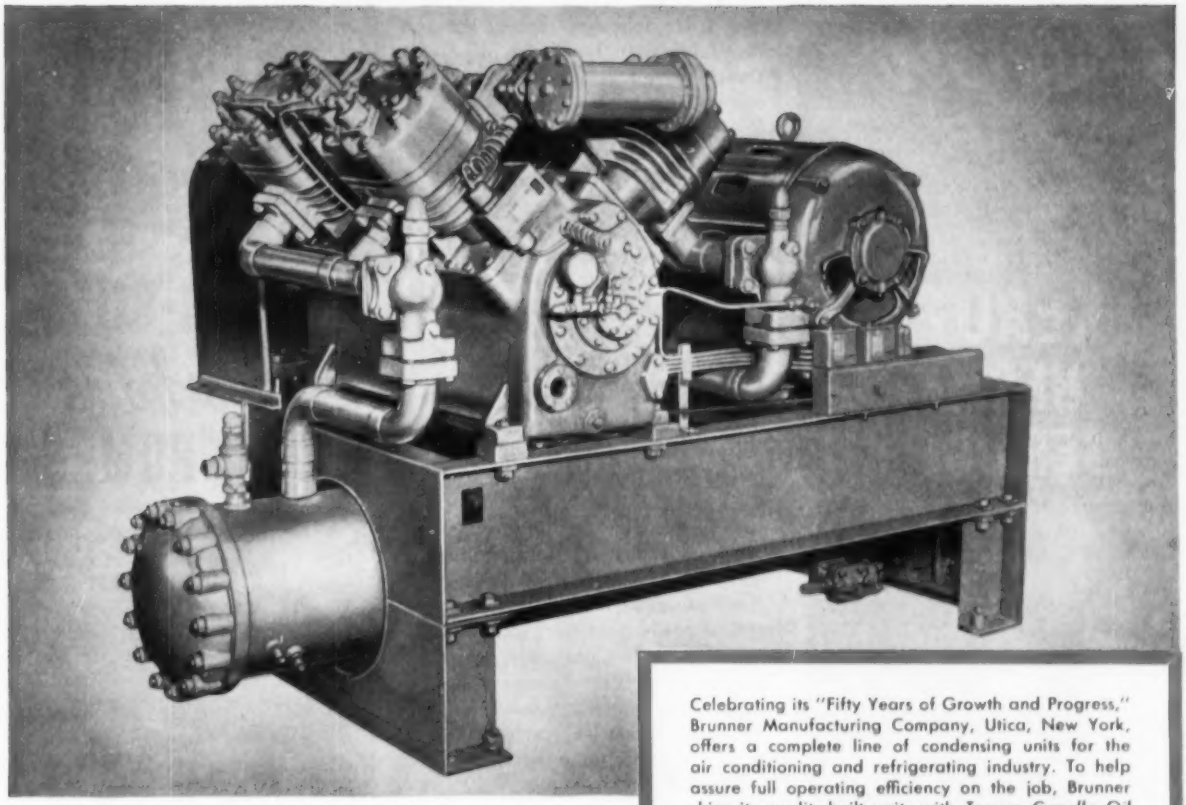
The merger was effected without loss of membership from either

Continued on page 222

COMPRESSOR SMALLER THAN TEXAS, BUT . . .



BIG AXIAL COMPRESSOR manufactured by Carrier Corp. has enough capacity to pump the daily gas needs of the city of Chicago. Weighing 45 tons with interior volume sufficient to hold 7,000 gallons of water, it will be used to produce butadiene, raw material essential to the production of synthetic rubber. The unit about ready to be lifted from the test stand for shipment is as big as half a box car. The large casting is required to channel the tremendous volumes of gas handled by the compact axial compressor.



Celebrating its "Fifty Years of Growth and Progress," Brunner Manufacturing Company, Utica, New York, offers a complete line of condensing units for the air conditioning and refrigerating industry. To help assure full operating efficiency on the job, Brunner ships its quality-built units with *Texaco Capella Oil Waxfree.*

BRUNNER SINCE 1906 **chooses**

Texaco Capella Oil Waxfree

for factory-fill

Texaco Capella Oil Waxfree offers truly effective lubrication. It exceeds the requirements of the Freon floc test and the specifications of all leading manufacturers. It won't wax out in the system—not even at temperatures as low as minus 100° F. It effectively resists oxidation and retains its stability throughout an extra long service life . . . does not foam and is compatible with all refrigerants.

There is a complete line of *Texaco Capella Oils Waxfree* to meet all compressor requirements. Available in 55-gallon and 5-gallon drums, 1-gallon cans, and the more popular grades in 1-quart containers—all refinery-sealed to protect purity and quality.

A Texaco Lubrication Engineer will gladly help you select the proper ones. Just call the nearest of the more than 2,000 Texaco Distributing Plants in the 48 States, or write The Texas Company, 135 East 42nd Street, New York 17, N. Y.

TEXACO

TEXACO Capella Oils Waxfree

FOR ALL REFRIGERATING AND AIR CONDITIONING COMPRESSORS

TUNE IN . . . METROPOLITAN OPERA RADIO BROADCASTS EVERY SATURDAY AFTERNOON

Circle No. 126 on Reader Service Card

group. The following persons have been elected to the board of directors, who then elected their own officers as indicated: E. J. Wanless, C. Wallace Plumbing Co., president; K. S. Gregory, Gregory-Edwards Co., vice president; W. A. Harbaugh, Straus-Frank Co., secretary-treasurer; C. G. Heyne, Chas. G. Heyne & Co., director; H. F. Watson, H. F. Watson, Inc., director; Al Keith, Keith Plumbing & Heating Co., Inc., director; and M. Schewe, Natkin & Co., director.

COOLING DIV. OF U.A. ESTABLISHED IN N. J.

A New Jersey labor agreement has been signed by Refrigeration and Air Conditioning Contractors Association of New Jersey, Inc., and a newly formed United Association State Committee, which establishes the first division of Refrigeration and Air Conditioning Mechanics since the resolution in the U.A. constitution became effective last Jan. 1.

The addition of a new section—144 (a)—to the U.A. constitution made possible the establishment of the new division of the union.

The standard bargaining agreement between the contractor employers and the union was reached by five-man committees of both RACCA of New Jersey and the state group of the U.A. representing 25 local unions in New Jersey.

Joseph F. Monahan of the United Association and Ray Kromer, executive vice president of RACCA National, also were present.

2 SHEET METAL GROUPS FORM NEW ASSOCIATION

A labor-management relationship considered new to the nation's sheet metal industry has been established in Denver, Colo., by and for members of the Sheet Metal Workers Local Union No. 9, and the Sheet Metal Contractors Association of Denver.

The organization, called the Sheet Metal Joint Committee, was formed by the two groups for the primary purpose of solving mu-

Continued on page 223

tual problems and sharing mutual responsibilities facing the sheet metal industry in Denver and vicinity. The committee is composed of six members, three representing each group, and two permanent employees.

RACCA OF SO. CALIF. FORMS NEW COMMITTEES

Committee appointments for 1957 have been announced by Refrigeration and Air Conditioning Contractors Association of Southern California.

They are: Budget committee, Herb Schuch, chairman, Don Beck, Don Kissell; joint conference committee, Beck, chairman, L. P. Jacobson, Arch Lang, Vern Zimmerman, Fred B. Anderson — alternates, Ralph E. Manns, and Charles Hollingworth.

Apprenticeship, Bill Robinson, chairman, Schuch, Jacobson, Paul Bachellerie, Art Smith, F. E. Hershey, Al Hanson, and Henry B. Ely; industry shows, Beck, chairman (home show), Dale Missimer (home show), and Robert Savage (refrigeration show); ordinance, Robinson, chairman, Henry Haarvison, Felix Hieatt, Savage, and Bill Jennings.

Construction Employers' Council, Hollingworth, chairman, Vince Gessel, Ely; industry committee, Kissell, chairman, Manns, Schuch, Hollingsworth, Charles Walling, and Ira P. Fulmor; and jobbers and manufacturers, Fred Jacob, chairman, Paul Olsen, Ed Glaser, Robert Macgregor, Hanson, Bob Carson, R. W. Noll, Jennings, and T. K. Holmes.

NEW CONTRACTING FIRM

James L. Coleman, Jr., formerly president of Sauer, Inc., announces that a new mechanical contracting company which he recently formed now has become a corporation under the name of Coleman-Good, Inc., with offices and facilities in Pittsburgh, Pa.

Officers are James L. Coleman, Jr., president and treasurer; Jerome J. Good, vice president; and William E. Lauer, secretary.

Superintendents are L. Eber Bacon, Franklin, Penn. and F. Bennett Critchlow, Pittsburgh.

SERVEL STARTS TESTS ON NEW 5-TON UNIT

Field testing has been started on a new 5-ton Servel gas-operated heating-cooling air conditioner, which will be smaller in size and lighter in weight than present models of similar capacity.

The new experimental model, presently known as XFE-96-G, is of the direct-fired, single-coil type. Its refrigerating cycle will provide the cooling equivalent of 5 tons of ice per day. Its heating cycle will have a capacity of 96,000 Btuh.

A comparison of the specifications of the experimental model with those of present 5-ton air conditioners indicates that the proposed unit will be easier to handle and install, and will require less than half as much floor space.

TEXAS BUSINESSMEN BUY COBELL INDUSTRIES

Sale of Cobell Industries, Texas manufacturer of air conditioning equipment, has been announced at the Fort Worth plant.

New owners and operators of the company are a group of Cleburne, Tex., businessmen headed by R. E. Roberts, president of Roberts Mfg. Co. of Cleburne, nation-wide distributors of range hoods.

Other officers of the new operations are Harold B. Bailey Jr., partner in Bailey & Co., Cleburne building materials company, and Paul Ashley, secretary-treasurer.

The company will continue to be active in the air conditioning equipment field.

D-H TO OFFER 5 LINES OF PACKAGED EQUIPMENT

Drayer-Hanson soon will offer five complete lines of packaged air conditioning equipment, according to Fred E. Schmuck, sales manager.

Every phase of residential, commerical, and industrial comfort conditioning will be included, Schmuck said.

Two lines of packaged water chillers also will be introduced.

First of the new packaged equipment is expected to be ready for delivery by spring.

PANELS TO DISCUSS CONTROLS FOR COOLING

Latest research developments in providing methods of controlling those factors of air conditioning other than temperature will be featured subjects of the second annual technical conference of the National Warm Air Heating and Air Conditioning Association, scheduled at Hotel Cleveland in Cleveland May 1 and 2, 1957.

The subject of air cleaning will be covered thoroughly by a three-man panel, made up of Dale O. Bender, Research Products Corp.; Earl M. Evans, American Air Filter, Inc.; and George F. Landgraf, of Trion, Inc., McKees Rocks, Pa. Richard S. Dill, chief of the heating and air conditioning section of National Bureau of Standards, Washington, D. C., will act as discussion moderator.

"Noise Problems and Sound Control"—and "Humidity Problems . . . Both Summer and Winter"—are other subjects which will be explored at this second annual technical conference, as will the subjects of "Using Weather Data in Estimating Operating Costs"—"Second-Story Cooling Problems in Two-Story Houses"—and "Use of Forced Attic Ventilation to Reduce Heat Gains."

CARRIER COOLS CAPITAL VISCOUNTS

Carrier Corp. has been awarded a contract to air condition Capital Airlines' entire new Viscount fleet, only domestically-owned, jet-prop commercial aircraft.

Capacity of the air conditioning system for each plane equals that required for two average-size homes. Designed to occupy minimum space, it weighs considerably less than similar equipment in conventional aircraft.

The 48-passenger aircraft receives cool dehumidified air quietly diffused throughout the pressurized cabin and pilots' cockpit from two overhead ducts furred into ceiling fabric. Smoke and all traces of cooking odors after meals have been served are eliminated efficiently.

A small Carrier compressor is placed beneath the forward cabin floor, condenser coils fit into the wings and the evaporator coil is located rear of the galley.

Comfortable temperature and humidity will be maintained at all times — when the plane is parked on the ramp, taxiing, and in flight.

YORK CORP. APPOINTS 4 NEW DISTRIBUTORS

York Corp. has appointed four new distributors. They are: C. B. Stone, Inc., Middletown, Conn.—C. B. Stone Sr., president, and C. B. Stone Jr., vice president. Harry Knodel Distributing Co., Cincinnati, Ohio—Harry Knodel, president, and J. H. Tygrett, general sales manager.

Southern New England Distributing Corp., Hartford, Conn.—W. L. Thibadeau, president, D. A. Racocchia, general manager, and James Hogan, sales manager. Electra Merchandising Distributors, Inc., Albany, N. Y., Aaron Reifler, president, and Charles G. Houghtaling, advertising & promotion manager.

ASRE MAKES AVAILABLE 3 NEW STANDARDS

ASRE Standard 29-56, "Methods of Rating and Testing Ice Makers", is available as revised from headquarters at 75¢ per copy. In addition to clarification of basic terms, information on a method of calorimetry is included.

Standard 35A-56, "Method of Testing Dessicants for Refrigerant Drying", gives purpose, classification and definition of terms, apparatus, preparation and analysis, and procedures and handling of data. It also may be obtained at 75¢ per copy.

ASRE Standard 35B-56, "Methods of Rating and Testing High Side Liquid Line Driers", for use with Refrigerant 12 or Refrigerant 22 is available at $1.00 per copy.

Write to: American Society of Refrigerating Engineers, 234 Fifth Avenue, New York 1, N. Y. for all three standards.

TRADEMARK NIBCO MADE COMPANY NAME

Corporate name of Northern Indiana Brass Co., officially has become "Nibco, Inc.," according to Paul H. Nankivell, director of sales for the company.

The firm has used the term "Nibco" for many years as a trademark to identify its products. The word itself is coined from the initials of the previous company name.

NEW CALGON PLANT OPENS IN MICHIGAN

The new Calgon processing and packaging plant of Hagen Chemicals and Controls, Inc., Rockwood, Mich., was opened officially Feb. 7.

The plant is located on a 45-acre tract adjacent to the Michigan Central Railroad, and within easy access to the Detroit-Toledo express highway.

PENN OFFICE MOVED

Penn Controls, Inc., has announced that its Philadelphia district sales office and warehouse has moved to 620 Huntingdon Pike, Rockledge, in Philadelphia.

OPPORTUNITIES

(Classified Advertising)

REPRESENTATIVES WANTED

Are you the Representative we're looking for?

Long established manufacturer, starting new sales program, offers unusual opportunity to representatives who can develop territories aggressively, contacting contractors and jobbers. This is a top quality, nationally-advertised line of pipe compounds, soldering fluxes and sealants used in plumbing and heating, refrigeration, sheet metal, etc. Sales records prove large volume potential in many areas. If you have some technical know-how and welcome a challenge here's your chance to get in on something really big and really profitable. For full details send information on territory covered and lines handled to Box 3157, Commercial Refrigeration & Air Conditioning.

Manufacturer's representative now calling on refrigeration men to sell complete line of top quality commercial refrigeration for grocery, bakery, restaurant, institutions. Protected territory in Michigan, Indiana, New England. THE C. SCHMIDT COMPANY, 1712 John Street, Cincinnati 14, Ohio.

INDEX OF ADVERTISERS

there is a difference in copper tubing . . .

the difference in VIKING is . . .

a modern plant, SPECIALLY DESIGNED for the production of the Thin Wall COPPER TUBING

A spacious, modern, automated plant . . . specially designed and constructed for the sole purpose of fabricating thin wall copper tubing . . . is a key "difference" contributing to the superior quality of VIKING copper tubing.

In these up-to-the-minute facilities VIKING is using the very latest machinery and quality control devices designed for the production of thin-wall tubing. This equipment, combined with highest grade materials and "know-how", assures the highest standards of accuracy, uniformity and finish in VIKING copper tubing.

VIKING's superiority in quality is being constantly translated into lower costs by fabricators and is one more reason why more and more manufacturers are specifying VIKING copper tubing for air conditioning units and coils.

VIKING copper tubing continues to be the result of the combined efforts of skilled craftsmen seeking always to create a tubing that will do the job better, faster and at lowest cost.

VIKING COPPER TUBE CO.

CLEVELAND 10, OHIO

PRECISION DRAWN SEAMLESS COPPER TUBING

BINDING TEMPER

The proper kind of strength and ductility is vital in tubing used for refrigeration and air conditioning purposes. VIKING copper tubing possesses these properties to a far greater degree than other types of tubing. Its temper assures flawless fabrication.

ABSOLUTE, UNVARYING STRAIGHTNESS

A battery of electrically controlled straightening machines keep VIKING copper tubing absolutely, unvaryingly straight. In addition, these machines precisely temper the tubing, imparting to it the correct surface hardness . . . assuring ease in fabrication resulting in substantial savings in time and labor.

ELECTRONIC QUALITY CONTROL

An electronic "Brain" detects the minutest flaw or imperfection in the walls of VIKING tubing . . . automatically discarding defective tubing. Trouble-free fabrication is virtually guaranteed — operational failures almost completely eliminated.

Circle No. 2 on Reader Service Card

"CRAC", *the full-time merchandiser, reports:*

NOW...OVER 30,000 CIRCULATION!

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CONTRACTORS
WHOLESALERS
WHOLESALERS' CUSTOMERS
ARCHITECTS & ENGINEERS

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than any other magazine in the field.

They're all specialists who merchandise, sell, specify, install and maintain commercial, residential and industrial air conditioning and refrigeration equipment and systems. If you're looking for **sales action,** make certain that you're reaching this biggest market of full-time, merchandising-minded men. Reach them regularly through their preferred reading . . . .

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